

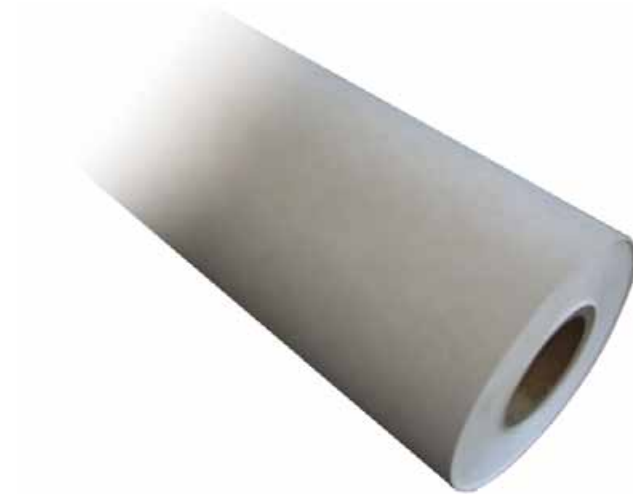


# Insulation



FLEXIBLE INSULATION MATERIAL

## NOMEX® T410



Aramid paper, polyamide aromatic calendered fiber  
Homologation UL file E34739(R)  
Operating temperature: -190°C + 220°C

Class C (220°C)

code	thickness mm.	Dielectric strength Kv./mm.	grammage g/m <sup>2</sup>
<b>NX41005</b>	0,05	17,00	41
<b>NX41008</b>	0,08	22,00	64
<b>NX41013</b>	0,13	27,00	115
<b>NX41018</b>	0,18	33,00	174
<b>NX41025</b>	0,25	32,00	249
<b>NX41030</b>	0,30	32,00	309
<b>NX41038</b>	0,38	33,00	397
<b>NX41051</b>	0,51	32,00	547
<b>NX41076</b>	0,76	27,00	847

N.B. – reel height 457/914 mm.  
– tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL

**NOMEX<sup>®</sup> - POLYESTER - NOMEX<sup>®</sup>**



Aramid paper + polyester film+ aramid paper  
 NOMEX COUPLED 0,050 mm  
 Operating temperature up to 180°C

Class F (155°C)

code	thickness mm.	Dielectric strength Kv.	film thickness mm.	grammage g/m <sup>2</sup>
<b>NPN015</b>	0,15	7	0,036	150
<b>NPN017</b>	0,17	8	0,050	170
<b>NPN019</b>	0,19	11	0,075	200
<b>NPN022</b>	0,22	12	0,100	230
<b>NPN024</b>	0,24	14	0,125	270
<b>NPN031</b>	0,31	19	0,190	360
<b>NPN037</b>	0,37	23	0,250	450
<b>NPN047</b>	0,47	28	0,350	590

N.B. – reel height 457/914 mm.  
 – tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL

**NOMEX<sup>®</sup> - POLYESTER - NOMEX<sup>®</sup>**

Aramid paper + polyester film + aramid paper  
NOMEX COUPLED 0,080 mm  
Operating temperature up to 200°C

Class H (180°C)

code	thickness mm.	Dielectric strength Kv.	film thickness mm.	grammage g/m <sup>2</sup>
<b>NPN021</b>	0,21	8	0,036	200
<b>NPN022</b>	0,22	9	0,050	220
<b>NPN025</b>	0,25	12	0,075	255
<b>NPN028</b>	0,28	13	0,100	290
<b>NPN030</b>	0,30	15	0,125	325
<b>NPN036</b>	0,36	20	0,190	420
<b>NPN043</b>	0,43	23	0,250	500
<b>NPN053</b>	0,53	30	0,350	640

N.B. – reel height 457/914 mm.

- tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL

# NOMEX® - POLYESTER



Aramid paper + polyester film  
 NOMEX COUPLED 0,050 mm  
 Operating temperature up to 180°C

Class F (155°C)

code	thickness mm	Dielectric strength Kv.	film thickness mm.	grammage g/m <sup>2</sup>
<b>NP008</b>	0,075	6,5	0,023	125
<b>NP013</b>	0,13	9	0,075	160
<b>NP018</b>	0,18	12,5	0,125	230
<b>NP025</b>	0,25	16,5	0,190	320
<b>NP031</b>	0,31	18	0,250	390
<b>NP036</b>	0,36	19	0,300	470
<b>NP041</b>	0,41	20	0,350	550

N.B. – reel height 457/914 mm.  
 - tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL  
**DMD SATURATED**



Polyester TNT (non woven fabric) + Polyester Film + Polyester TNT + impregnating resins  
Operating temperature up to 155°C

Class F (155°C)

code	thickness mm.	Dielectric strength Kv.	film thickness mm.	grammage g/m <sup>2</sup>
<b>DMDS015</b>	0,15	6	0,050	150
<b>DMDS020</b>	0,19	9	0,075	185
<b>DMDS023</b>	0,23	10	0,125	260
<b>DMDS029</b>	0,29	15	0,190	350
<b>DMDS035</b>	0,35	17	0,250	430
<b>DMDS045</b>	0,45	20	0,350	570

N.B. – reel height 462/925 mm.

- tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied

FLEXIBLE INSULATION MATERIAL  
**DMD UNSATURATED**



Polyester TNT (non woven fabric) + Polyester Film + Polyester TNT  
 Operating temperature up to 155°C

Class F (155°C)

code	thickness mm.	Dielectric strength Kv.	Film thickness mm.	grammage g/m <sup>2</sup>
<b>DMDI010</b>	0,10	5	0,023	100
<b>DMDI014</b>	0,14	6	0,050	150
<b>DMDI018</b>	0,20	9	0,100	230
<b>DMDI022</b>	0,23	11	0,125	270
<b>DMDI028</b>	0,28	16	0,190	360
<b>DMDI035</b>	0,35	20	0,250	420
<b>DMDI045</b>	0,45	24	0,350	560

N.B. - reel height 462/962 mm.  
 - tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL  
**DM SATURATED**



Polyester TNT (non woven fabric) + Polyester Film + impregnating resins  
Operating temperature up to 155°C

Class F (155°C)

code	thickness mm.	Dielectric strength Kv.	film thickness mm.	grammage g/m <sup>2</sup>
<b>DMS019</b>	0,19	10	0,125	210
<b>DMS024</b>	0,24	14	0,190	310
<b>DMS030</b>	0,30	16	0,250	390
<b>DMS035</b>	0,35	19	0,350	530

N.B. - reel height 462/925 mm.

- tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied



FLEXIBLE INSULATION MATERIAL

**MYLAR®**



Polyester film PET (polyethylene terephthalate)  
 Operating temperature up to 130°C  
 Homologation UL file n° and 93687(R)

Class B (130°C)

code	thickness mm.	Dielectric strength Kv./mm.	Film thickness mm.	grammage g/m <sup>2</sup>
<b>MYL0023</b>	0,023	300	0,023	32
<b>MYL0036</b>	0,036	240	0,036	50
<b>MYL0050</b>	0,050	210	0,050	70
<b>MYL0075</b>	0,075	175	0,075	105
<b>MYL0100</b>	0,100	150	0,100	140
<b>MYL0125</b>	0,125	125	0,125	175
<b>MYL0190</b>	0,190	100	0,190	265
<b>MYL0250</b>	0,250	80	0,250	350
<b>MYL0300</b>	0,300	75	0,300	418
<b>MYL0350</b>	0,350	70	0,350	480

N.B. – reel height 462/925 mm.

- tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied

FLEXIBLE INSULATION MATERIAL

## Polyester film



Polyester film PET (polyethylene terephthalate)  
Operating temperature up to 130°C

Class B (130°C)

code	thickness mm.	Dielectric strength Kv.	film thickness mm.	grammage g/m <sup>2</sup>
<b>POL0023</b>	0,023	5	0,023	32
<b>POL0036</b>	0,036	7	0,036	50
<b>POL0050</b>	0,050	9	0,050	70
<b>POL0075</b>	0,075	12	0,075	105
<b>POL0100</b>	0,100	13	0,100	140
<b>POL0125</b>	0,125	15	0,125	175
<b>POL0190</b>	0,190	17	0,190	265
<b>POL0250</b>	0,250	19	0,250	350
<b>POL0350</b>	0,350	22	0,350	480

N.B. – reel height 462/925 mm.

- tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL  
**LATEROID POLYESTER**



High density lateroid paper + Polyester film PET 0,023  
 Operating temperature up to 130° C

Class B (130°C)

code	thickness mm	Dielectric strength Kv	paper thickness mm	grammage g/m <sup>2</sup>
<b>ACC013</b>	0,13	4	0,10	150
<b>ACC018</b>	0,18	4,5	0,15	205
<b>ACC023</b>	0,23	5	0,20	265
<b>ACC028</b>	0,28	5,5	0,25	320
<b>ACC033</b>	0,33	6	0,30	370
<b>ACC043</b>	0,43	6	0,40	490
<b>ACC053</b>	0,53	6	0,50	600

N.B. – reel height 500/1000 mm-  
 - tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

FLEXIBLE INSULATION MATERIAL

## LATEROID



Lateroid paper 100 % high density cellulose  
Operating temperature up to 105° C.

Class to ( 105°C)

code	thickness mm.	Dielectric strength Kv.	grammage g/m <sup>2</sup>
<b>LAT010</b>	0,10	9/11	130
<b>LAT015</b>	0,15	9/11	180
<b>LAT020</b>	0,20	9/11	230
<b>LAT025</b>	0,25	9/11	280
<b>LAT030</b>	0,30	9/11	340
<b>LAT040</b>	0,40	9/11	450
<b>LAT050</b>	0,50	9/11	560

N.B: - reel height 500/1000 mm.

- tailor-made CUT, BORDERED and INDENTED material can be supplied.

On demand specific data sheet of the product can be supplied.

RIGID INSULATION MATERIALS  
**PRESSPAN**



Presspan paper 100% cellulose  
Operating temperature up to 105° C .

Class to (105°C)

code	thickness mm.	Dielectric strength Kv.	grammage g/m <sup>2</sup>
<b>PSS08</b>	0,80	9/11	870
<b>PSS10</b>	1,00	9/11	1250
<b>PSS15</b>	1,50	9/11	1880
<b>PSS20</b>	2,00	9/11	2500
<b>PSS25</b>	2,50	9/11	3125
<b>PSS30</b>	3,00	9/11	3750
<b>PSS40</b>	4,00	9/11	5000

N.B. - standard panels dimensions 500 x 1050 mm.  
- tailor-made cut material can be supplied.

On demand specific data sheet of the product can be supplied

RIGID INSULATION MATERIALS

## panels GPO3



Glass fiber and polyester resin  
Self extinguishing UL94 V0 Halogen Free

Class F (155°C)

code	thickness mm.	Dielectric strength Kv./mm	specific weight g/cm <sup>3</sup>
<b>LGPO10</b>	1	15	180
<b>LGPO15</b>	1,5	15	180
<b>LGPO20</b>	2	15	180
<b>LGPO25</b>	2,5	15	180
<b>LGPO30</b>	3	15	180
<b>LGPO40</b>	4	15	180
<b>LGPO50</b>	5	15	180
<b>LGPO60</b>	6	15	180
<b>LGPO80</b>	8	15	180
<b>LGPO100</b>	10	15	180
<b>LGPO120</b>	12	15	180
<b>LGPO160</b>	16	15	180
<b>LGPO200</b>	20	15	180

N.B. - standard panels dimensions 500 x 1050 mm.  
- tailor-made cut and with higher thickness material can be supplied.

RIGID INSULATION MATERIALS

**VETRONITE G11**



Glass fiber and epoxy resin  
Self extinguishing UL94 V0

Class F (155°C)

code	thickness mm	Dielectric strength Kv./mm	specific weight g/cm <sup>3</sup>
<b>VETRO G11/05</b>	0,50	15	190
<b>VETRO G11/08</b>	0,80	15	190
<b>VETRO G11/10</b>	1	15	190
<b>VETRO G11/15</b>	1,5	15	190
<b>VETRO G11/20</b>	2,0	15	190
<b>VETRO G11/25</b>	2,5	15	190
<b>VETRO G11/30</b>	3,0	15	190
<b>VETRO G11/40</b>	4	15	190
<b>VETRO G11/50</b>	5	15	190
<b>VETRO G11/60</b>	6	15	190
<b>VETRO G11/80</b>	8	15	190
<b>VETRO G11/100</b>	10	15	190

N.B. - standard panels dimensions 500 x 1050 mm.  
- tailor-made cut and with higher thickness material can be supplied.

SLATS FOR SLOT CLOSING

## NOMEX® T410 and NOMEX® – POLYESTER – NOMEX®



### NOMEX®

class: H ( 180°C. )  
colour: white

shape TRAPEZOID thickness 0,38

code	development mm.	thickness NX®	package
<b>TGNX03810</b>	10	0,38	bundles of 1 x 100 mt.
<b>TGNX03812</b>	12	0,38	
<b>TGNX03815</b>	15	0,38	
<b>TGNX03818</b>	18	0,38	
<b>TGNX03820</b>	20	0,38	
<b>TGNX03825</b>	25	0,38	
<b>TGNX03830</b>	30	0,38	

### NOMEX® POLYESTER NOMEX®

Class: F ( 155°C. )  
Colour: white

shape ROUND thickness 0,37

code	development mm.	thickness N° P N°	package
<b>TGNPN03710</b>	10	0,37	bundles of 1 x 100 mt.
<b>TGNPN03712</b>	12	0,37	
<b>TGNPN03715</b>	15	0,37	
<b>TGNPN03718</b>	18	0,37	
<b>TGNPN03720</b>	20	0,37	
<b>TGNPN03725</b>	25	0,37	
<b>TGNPN03730</b>	30	0,37	

N.B: tailor-made cutting service is available.



SLATS FOR SLOT CLOSING

**NOMEX® - POLYESTER**



Class: F ( 155°C. )  
Colour: white

shape ROUND thickness 0,31

code	development mm.	thickness N.P.	package
<b>TGNP03110</b>	10	0,31	bundles of 1 x 100 mt.
<b>TGNP03112</b>	12	0,31	
<b>TGNP03115</b>	15	0,31	
<b>TGNP03118</b>	18	0,31	
<b>TGNP03120</b>	20	0,31	
<b>TGNP03125</b>	25	0,31	
<b>TGNP03130</b>	30	0,31	

shape ROUND thickness 0,35

code	development mm	thickness N.P.	package
<b>TGNP03510</b>	10	0,35	bundles of 1 x 100 mt.
<b>TGNP03512</b>	12	0,35	
<b>TGNP03515</b>	15	0,35	
<b>TGNP03518</b>	18	0,35	
<b>TGNP03520</b>	20	0,35	
<b>TGNP03525</b>	25	0,35	
<b>TGNP03530</b>	30	0,35	

N.B: tailor-made cutting service is available.

## SLATS FOR SLOT CLOSING DMD SATURATED



Class: F (155°C.)  
Colour: pink

shape ROUND

code	development mm.	thickness DMD	package
<b>TGDMD03510TD</b>	10	0,35	bundles of 1 x 100 mt.
<b>TGDMD03512TD</b>	12	0,35	
<b>TGDMD03515TD</b>	15	0,35	
<b>TGDMD03518TD</b>	18	0,35	
<b>TGDMD03520TD</b>	20	0,35	
<b>TGDMD03525TD</b>	25	0,35	
<b>TGDMD03530TD</b>	30	0,35	

shape TRAPEZOID

code	development mm.	thickness DMD	package
<b>TGDMD03510TR</b>	10	0,35	bundles of 1 x 100 mt.
<b>TGDMD03512TR</b>	12	0,35	
<b>TGDMD03515TR</b>	15	0,35	
<b>TGDMD03518TR</b>	18	0,35	
<b>TGDMD03520TR</b>	20	0,35	
<b>TGDMD03525TR</b>	25	0,35	
<b>TGDMD03530TR</b>	30	0,35	

N.B: tailor-made cutting service is available.

SLATS FOR SLOT CLOSING

**MYLAR®**



Class: B ( 130°C. )  
Colour: white

shape ROUND thickness 0,25

code	development mm.	thickness MY®	package
<b>TGPOL02510</b>	10	0,25	bundles of 1 x 100 mt.
<b>TGPOL02512</b>	12	0,25	
<b>TGPOL02515</b>	15	0,25	
<b>TGPOL02518</b>	18	0,25	
<b>TGPOL02520</b>	20	0,25	
<b>TGPOL02525</b>	25	0,25	
<b>TGPOL02530</b>	30	0,25	

shape ROUND thickness 0,35

code	development mm	thickness MY®	package
<b>TGPOL03510</b>	10	0,35	bundles of 1 x 100 mt.
<b>TGPOL03512</b>	12	0,35	
<b>TGPOL03515</b>	15	0,35	
<b>TGPOL03518</b>	18	0,35	
<b>TGPOL03520</b>	20	0,35	
<b>TGPOL03525</b>	25	0,35	
<b>TGPOL03530</b>	30	0,35	

N.B: tailor-made cutting service is available.

## SLATS FOR SLOT FILLING



Semi-round made of BEECH

code	Ø mm.	package
<b>FAGGIO03</b>	3	bundles of 1 x 100 mt.
<b>FAGGIO04</b>	4	
<b>FAGGIO05</b>	5	
<b>FAGGIO06</b>	6	
<b>FAGGIO07</b>	7	
<b>FAGGIO08</b>	8	
<b>FAGGIO09</b>	9	
<b>FAGGIO10</b>	10	
<b>FAGGIO11</b>	11	
<b>FAGGIO12</b>	12	
<b>FAGGIO14</b>	14	

Semi-round made of GLASS

code	Ø mm.	package
<b>VETRO03</b>	3	bundles of 1 x 100 mt.
<b>VETRO04</b>	4	
<b>VETRO05</b>	5	
<b>VETRO06</b>	6	
<b>VETRO07</b>	7	
<b>VETRO08</b>	8	
<b>VETRO09</b>	9	
<b>VETRO10</b>	10	
<b>VETRO11</b>	11	
<b>VETRO12</b>	12	

N.B. - semi-round slats in glass are available also in packages of 2 x 200 mt  
- tailor-made cutting service is available.

**NOTE**

The image displays a series of 25 horizontal grey bars, each approximately 20 pixels high and spanning the width of the page. These bars are arranged vertically, providing a structured space for writing a note.

## INSULATING SHEATHS ELASTOMER SILICONE GLASS



Class: H ( 180°C: )  
Standard colour: red

Ø mm.	package mt.	code		
		1500 V.	2500 V.	4000 V.
0,5	200	<b>GVES15005</b>	<b>GVES25005</b>	<b>GVES40005</b>
0,8	200	<b>GVES15008</b>	<b>GVES25008</b>	<b>GVES40008</b>
1,0	200	<b>GVES15010</b>	<b>GVES25010</b>	<b>GVES40010</b>
1,5	200	<b>GVES15015</b>	<b>GVES25015</b>	<b>GVES40015</b>
2,0	200	<b>GVES15020</b>	<b>GVES25020</b>	<b>GVES40020</b>
2,5	200	<b>GVES15025</b>	<b>GVES25025</b>	<b>GVES40025</b>
3,0	200	<b>GVES15030</b>	<b>GVES25030</b>	<b>GVES40030</b>
3,5	200	<b>GVES15035</b>	<b>GVES25035</b>	<b>GVES40035</b>
4,0	200	<b>GVES15040</b>	<b>GVES25040</b>	<b>GVES40040</b>
5,0	100	<b>GVES15050</b>	<b>GVES25050</b>	<b>GVES40050</b>
6,0	100	<b>GVES15060</b>	<b>GVES25060</b>	<b>GVES40060</b>
7,0	100	<b>GVES15070</b>	<b>GVES25070</b>	<b>GVES40070</b>
8,0	100	<b>GVES15080</b>	<b>GVES25080</b>	<b>GVES40080</b>
9,0	100	<b>GVES15090</b>	<b>GVES25090</b>	<b>GVES40090</b>
10,0	100	<b>GVES15100</b>	<b>GVES25100</b>	<b>GVES40100</b>
12,0	100	<b>GVES15120</b>	<b>GVES25120</b>	<b>GVES40120</b>
14,0	100	<b>GVES15140</b>	<b>GVES25140</b>	<b>GVES40140</b>
16,0	100	<b>GVES15160</b>	<b>GVES25160</b>	<b>GVES40160</b>
18,0	100	<b>GVES15180</b>	<b>GVES25180</b>	<b>GVES40180</b>
20,0	50		<b>GVES25200</b>	<b>GVES40200</b>
22,0	50		<b>GVES25220</b>	<b>GVES40220</b>
25,0	50		<b>GVES25250</b>	<b>GVES40250</b>
30,0	50		<b>GVES25300</b>	<b>GVES40300</b>
35,0	25		<b>GVES25350</b>	<b>GVES40350</b>
40,0	25		<b>GVES25400</b>	<b>GVES40400</b>

N.B. – on demand colours different from standard and voltages up to 7500 V.  
– tailor-made cutting service is available.

On demand specific data sheet of the product can be supplied.

INSULATING SHEATHS

**ACRYLIC GLASS AC3**



Dielectric strength: 3000 V.  
 Class: F ( 155°C )  
 Standard colour: yellow

code	Ø mm.	package mt.
<b>TUAC005</b>	0,5	200
<b>TUAC008</b>	0,8	200
<b>TUAC010</b>	1,0	200
<b>TUAC015</b>	1,5	200
<b>TUAC020</b>	2,0	200
<b>TUAC025</b>	2,5	200
<b>TUAC030</b>	3,0	200
<b>TUAC035</b>	3,5	200
<b>TUAC040</b>	4,0	200
<b>TUAC050</b>	5,0	100
<b>TUAC060</b>	6,0	100
<b>TUAC070</b>	7,0	100
<b>TUAC080</b>	8,0	100
<b>TUAC090</b>	9,0	100
<b>TUAC100</b>	10,0	100
<b>TUAC120</b>	12,0	100

N.B. – on demand colours different from standard can be supplied.  
 – tailor-made cutting service is available.

On demand specific data sheet of the product can be supplied.

## INSULATING SHEATHS

**POLYURETANE GLASS S4**

Dielectric strength: 3000 V.  
Class: F ( 155°C )  
Standard colour: light brown

code	Ø mm.	package mt.
<b>TUPOL005</b>	0,5	200
<b>TUPOL008</b>	0,8	200
<b>TUPOL010</b>	1,0	200
<b>TUPOL015</b>	1,5	200
<b>TUPOL020</b>	2,0	200
<b>TUPOL025</b>	2,5	200
<b>TUPOL030</b>	3,0	200
<b>TUPOL035</b>	3,5	200
<b>TUPOL040</b>	4,0	200
<b>TUPOL045</b>	4,5	100
<b>TUPOL050</b>	5,0	100
<b>TUPOL060</b>	6,0	100
<b>TUPOL070</b>	7,0	100
<b>TUPOL080</b>	8,0	100
<b>TUPOL090</b>	9,0	100
<b>TUPOL100</b>	10,0	100
<b>TUPOL120</b>	12,0	100
<b>TUPOL140</b>	14,0	100
<b>TUPOL160</b>	16,0	100
<b>TUPOL180</b>	18,0	100

N.B. – on demand colours different from standard can be supplied.  
- tailor-made cutting service is available.

On demand specific data sheet of the product can be supplied.



INSULATING SHEATHS

**POLYURETANE GLASS  
IBERSIL**



Dielectric strength: 3000 V.  
Class: F ( 155°C )  
Standard colour: nut-brown

code	Ø mm.	Package mt.
<b>TUIB005</b>	0,5	200
<b>TUIB008</b>	0,8	200
<b>TUIB010</b>	1,0	200
<b>TUIB015</b>	1,5	200
<b>TUIB020</b>	2,0	200
<b>TUIB025</b>	2,5	200
<b>TUIB030</b>	3,0	200
<b>TUIB035</b>	3,5	200
<b>TUIB040</b>	4,0	200
<b>TUIB045</b>	4,5	100
<b>TUIB050</b>	5,0	100
<b>TUIB060</b>	6,0	100
<b>TUIB070</b>	7,0	100
<b>TUIB080</b>	8,0	100
<b>TUIB090</b>	9,0	100
<b>TUIB100</b>	10,0	100
<b>TUIB120</b>	12,0	100
<b>TUIB140</b>	14,0	50
<b>TUIB160</b>	16,0	50
<b>TUIB180</b>	18,0	25
<b>TUIB200</b>	20,0	bar meter 1
<b>TUIB220</b>	22,0	bar meter 1

N.B. – on demand colours different from standard can be supplied.  
\_ tailor-made cutting service is available.

On demand specific data sheet of the product can be supplied.

INSULATING SHEATHS

**BLOCKED GLASS HT**

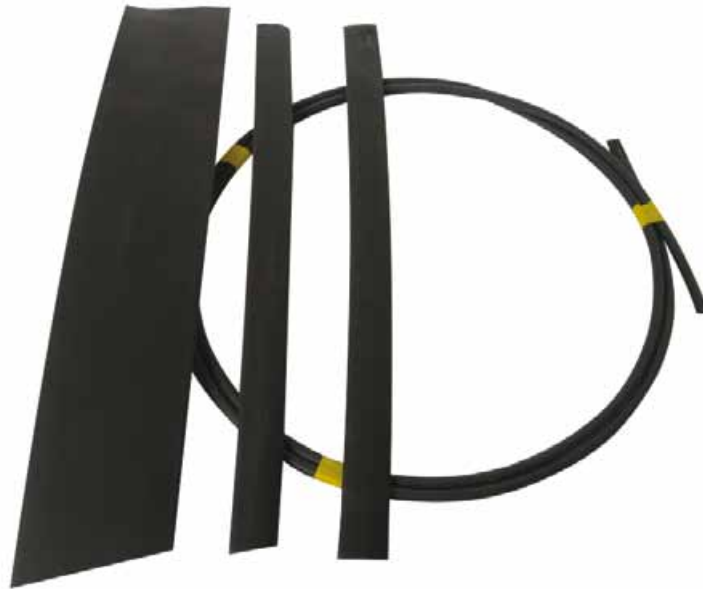
Dielectric strength: 1000 V.  
Class: C (200°C)  
Standard colour: dark grey

code	Ø mm.	package mt.
<b>TUHT005</b>	0,5	200
<b>TUHT008</b>	0,8	200
<b>TUHT010</b>	1,0	200
<b>TUHT015</b>	1,5	200
<b>TUHT020</b>	2,0	200
<b>TUHT025</b>	2,5	200
<b>TUHT030</b>	3,0	200
<b>TUHT035</b>	3,5	200
<b>TUHT040</b>	4,0	200
<b>TUHT050</b>	5,0	100
<b>TUHT060</b>	6,0	100
<b>TUHT070</b>	7,0	100
<b>TUHT080</b>	8,0	100
<b>TUHT090</b>	9,0	100
<b>TUHT100</b>	10,0	100
<b>TUHT120</b>	12,0	100
<b>TUHT140</b>	14,0	100
<b>TUHT160</b>	16,0	100

On demand specific data sheet of the product can be supplied.

INSULATING SHEATHS

**POLYOLEFIN HEAT SHRINKABLE GTP1**



Dielectric strength: 2500 V.  
 Operating temperature : -55°C. - +125°C.  
 shrinkage: 2 : 1  
 Standard colour: black

code	Ø mm.	package mt.
<b>PLT016</b>	1,2	200
<b>PLT024</b>	2,4	200
<b>PLT032</b>	3,2	200
<b>PLT048</b>	4,8	200
<b>PLT064</b>	6,4	100
<b>PLT095</b>	9,5	100
<b>PLT127</b>	12,7	75
<b>PLT160</b>	16,0	75
<b>PLT190</b>	19,0	50
<b>PLT254</b>	25,4	50
<b>PLT320</b>	32,0	50
<b>PLT381</b>	38,1	50
<b>PLT508</b>	50,8	50

On demand specific data sheet of the product can be supplied.

**NOTE**

Blank lined paper for notes.

ONE-POLE CABLES  
**TEFLON FEP**



**Technical features:**

tinned copper + fluorocarbon resin  
Dielectric strength: 2500 V.  
working voltage: 600 V.  
Insulating class: H ( 180°C )  
available colours: white – blue – black – red.

code	dimensions	size mm <sup>2</sup>	External Ø mm.	package mt.
<b>FEPAWG22</b>	<b>AWG22</b>	0,38	1,28	200
<b>FEPAWG20</b>	<b>AWG20</b>	0,61	1,43	200
<b>FEPAWG18</b>	<b>AWG18</b>	0,96	1,68	200
<b>FEPAWG16</b>	<b>AWG16</b>	1,23	1,87	200
<b>FEPAWG14</b>	<b>AWG14</b>	1,94	2,33	200
<b>*FEPAWG12</b>	<b>AWG12</b>	2,98	2,75	200
<b>*FEPAWG10</b>	<b>AWG10</b>	4,74	3,40	200

N.B. (\*) available on demand

On demand specific data sheet of the product can be supplied.

## ONE-POLE CABLES

**SILICON RUBBER + FIBER GLASS SHEATH****Technical features:**

red copper + silicon rubber + fiber glass sheath + silicon paint

Dielectric strength: 2500 V.

working voltage: 600 V.

Insulating class: H (180°C)

available colours: white – black – red from 0,50 mm<sup>2</sup> to 16 mm<sup>2</sup>  
white from 25 mm<sup>2</sup> to 120 mm<sup>2</sup>

code	size mm <sup>2</sup>	External Ø mm	package mt
<b>CVS050</b>	0,50	2,10	100
<b>CVS075</b>	0,75	2,40	100
<b>CVS100</b>	1,00	2,50	100
<b>CVS150</b>	1,50	2,80	100
<b>CVS250</b>	2,50	3,40	100
<b>CVS400</b>	4,00	4,30	100
<b>CVS600</b>	6,00	5,30	100
<b>CVS1000</b>	10,0	6,90	100
<b>CVS1600</b>	16,0	8,30	100
<b>CVS2500</b>	25,0	10,1	100
<b>CVS3500</b>	35,0	11,5	50
<b>CVS5000</b>	50,0	13,7	50
<b>CVS7000</b>	70,0	15,3	25
<b>CVS9500</b>	95,0	17,9	25
<b>CVS12000</b>	120	20,4	25

On demand specific data sheet of the product can be supplied.

ONE-POLE CABLES  
**NOMEX-E-NX10**



Insulating cover with elastomer polyurethane and double- spiral for recognition

Polyester sheaths for high temperatures

Spiral in NOMEX®

Spiral in Polyester film

Spiral in acetate yarns only from mm<sup>2</sup> 0,14 to mm<sup>2</sup> 2,50

Conductor in inned COPPER

**Technical features:**

Dielectric strength: 4000V. ( 2 minutes )

working voltage: 750 V.

Insulating class: F (155°C)

available colours : white – black – red from 0,35 mm<sup>2</sup> to 10 mm<sup>2</sup>  
white from 16 mm<sup>2</sup> to 95 mm<sup>2</sup>

code	size mm <sup>2</sup>	Minimum external Ø mm	package mt
<b>CNX035</b>	0,35	1,80	200
<b>CNX050</b>	0,50	1,90	200
<b>CNX075</b>	0,75	2,20	200
<b>CNX100</b>	1,00	2,35	200
<b>CNX150</b>	1,50	2,60	200
<b>CNX250</b>	2,50	3,00	100
<b>CNX400</b>	4,00	4,00	100
<b>CNX600</b>	6,00	4,90	100
<b>CNX1000</b>	10,0	5,80	50
<b>CNX1600</b>	16,0	7,00	50
<b>CNX2500</b>	25,0	8,50	50
<b>CNX3500</b>	35,0	10,2	50
<b>CNX5000</b>	50,0	11,7	25
<b>CNX7000</b>	70,0	14,0	25
<b>CNX9500</b>	95,0	16,0	25

On demand specific data sheet of the product can be supplied.

## ONE-POLE CABLES

### RADOX 155



#### Technical features:

tinned copper + irradiated polyolefin

dielectric strength : 2500 V.

working voltage : 600/1000 V.

insulating class : F (155°C)

available colours : white . blue – black – red from 0,25 mm<sup>2</sup> to 10 mm<sup>2</sup>  
 black from 16 mm<sup>2</sup> to 50 mm<sup>2</sup>

code	size mm <sup>2</sup>	external Ø mm.	package mt.
<b>CRX025</b>	0,25	1,45	100
<b>CRX034</b>	0,34	1,55	100
<b>CRX050</b>	0,50	1,70	100
<b>CRX075</b>	0,75	2,20	100
<b>CRX100</b>	1,00	2,60	100
<b>CRX150</b>	1,50	2,70	100
<b>CRX250</b>	2,50	3,35	100
<b>CRX400</b>	4,00	4,05	100
<b>CRX600</b>	6,00	5,20	100
<b>CRX1000</b>	10,0	6,40	100
<b>CRX1600</b>	16,0	7,60	100
<b>CRX2500</b>	25,0	9,20	100
<b>CRX3500</b>	35,0	10,60	100
<b>CRX5000</b>	50,0	12,30	100

N.B. - from 0,25 mm<sup>2</sup> to 10 mm<sup>2</sup> on demand the following colours are available:  
 ( yellow, yellow/green, brown, green ), radox cable can be supplied following the measures  
 AWG in compliance with regulations UL3289/CSA CL 1503.

On demand specific data sheet of the product can be supplied



**ONE-POLE CABLES**
**RADOX® UL/CSA**

**Technical features:**

tinned copper + irradiated polyolefin

dielectric strength : 2500 V.

working voltage : 600 V.

insulating class : F (155°C)

homologations : UL 3289 / CSA CL1503

 available colours : white – blue – black – red  
 black

file E - 63322

from AWG 22 to AWG 10

from AWG 8 to AWG 2

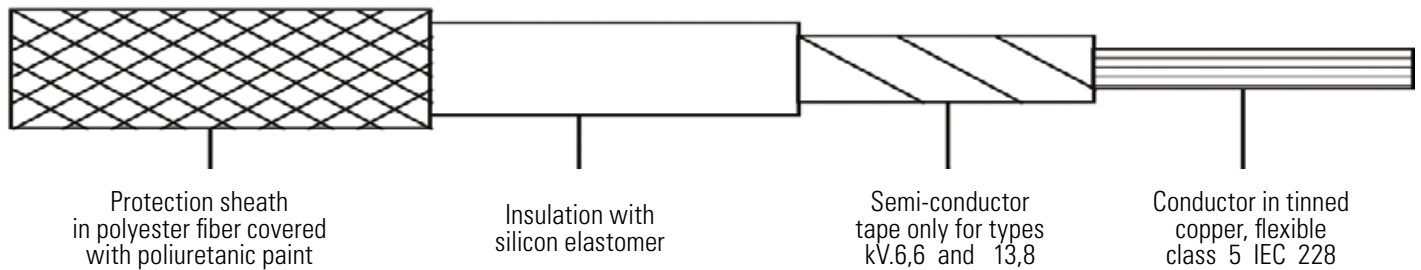
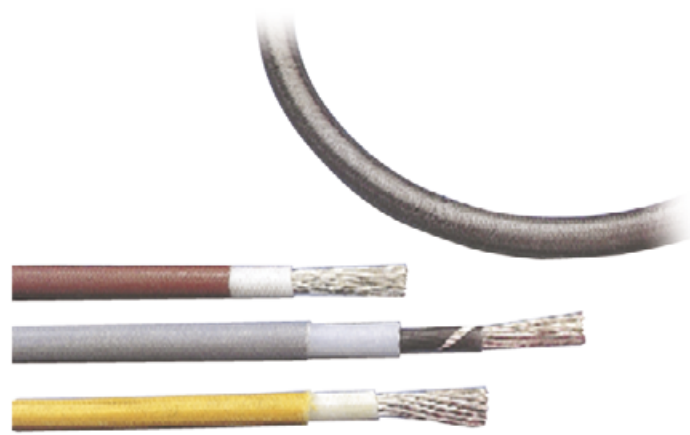
code	grandezza AWG	size mm <sup>2</sup>	external Ø mm.	package mt.
<b>CRXULAWG22</b>	22	0,324	2,35	300
<b>CRXULAWG20</b>	20	0,517	2,60	300
<b>CRXULAWG18</b>	18	0,821	2,85	300
<b>CRXULAWG16</b>	16	1,310	3,10	300
<b>CRXULAWG14</b>	14	2,080	3,50	300
<b>CRXULAWG12</b>	12	3,310	4,00	100
<b>CRXULAWG10</b>	10	5,260	4,70	100
<b>CRXULAWG08</b>	8	10,00	6,40	100
<b>CRXULAWG06</b>	6	16,00	8,90	100
<b>CRXULAWG04</b>	4	25,00	10,2	100
<b>CRXULAWG02</b>	2	35,00	11,4	100

N.B. - from AWG22 to AWG14 on demand the following colours are available:  
 ( yellow, yellow/green, brown ).

On demand specific data sheet of the product can be supplied.

RADOX is trademark HUBER+SUHNER

## ONE-POLE CABLES SIWO-KUL



### Technical features:

dielectric strength : 30/60 kV.  
 working voltage : 6,6/13,8 kV.  
 working temperature : -60°C + 180°C  
 homologations : UL STYLES 3642-3643

size mm <sup>2</sup>	package mt.	6,6 kV colour grey		13,8 Kv colour black	
		Ø esterno mm.	code	Ø esterno mm.	code
10,00	100	10,5	<b>CSWK66100</b>	13,1	<b>CWSK13100</b>
16,00	100	11,7	<b>CSWK66160</b>	14,5	<b>CWSK13160</b>
25,00	100	13,2	<b>CSWK66250</b>	16,0	<b>CWSK13250</b>
35,00	50	15,0	<b>CSWK66350</b>	17,6	<b>CWSK13350</b>
50,00	50	17,1	<b>CSWK66500</b>	19,3	<b>CWSK13500</b>
70,00	50	18,7	<b>CSWK66700</b>	21,0	<b>CWSK13700</b>
95,00	25	20,8	<b>CSWK66950</b>	23,0	<b>CWSK13950</b>
120,0	25	22,8	<b>CSWK661200</b>	25,0	<b>CWSK131200</b>
150,0	25	25,3	<b>CSWK661500</b>	27,7	<b>CWSK131500</b>
185,0	25	26,7	<b>CSWK661850</b>	29,3	<b>CWSK131850</b>
240,0	25	30,7	<b>CSWK662400</b>	33,1	<b>CWSK132400</b>

On demand specific data sheet of the product can be supplied.

## DIELECTRIC ADHESIVE TAPES



### KAPTON®

Kapton® trademark Dupont

class H ( 180°C. )

code	height mm.
KAPT09	9
KAPT12	12
KAPT15	15
KAPT19	19
KAPT25	25
KAPT30	30
KAPT38	38
KAPT50	50
KAPT60	60

#### technical features:

- Film Kapton® total thickness 0,06 mm
- silicon adhesive mass
- dielectric strength kV 6,0
- insulating class H (180°C)
- Homologation UL
- Colour: amber

package: rolls of mt. 33

### GLASS

class H ( 180°C. )

code	height mm.
GL009	9
GL012	12
GL015	15
GL019	19
GL025	25
GL030	30
GL038	38
GL050	50
GL060	60

#### technical features:

- fiber glass fabric total thickness 0,18 mm
- silicon adhesive mass
- dielectric strength kV 2,5
- insulating class H (180°C)
- Homologation UL
- Colour: white

package: rolls of mt. 33

N.B. Tapes with heights different from standard can be supplied.

On demand specific data sheet of the product can be supplied.

DIELECTRIC ADHESIVE TAPES

**NOMEX® POLYESTER**

Nomex® trademark Dupont

class F ( 155°C. )

code	height mm.
<b>NANX09</b>	9
<b>NANX12</b>	12
<b>NANX15</b>	15
<b>NANX19</b>	19
<b>NANX25</b>	25
<b>NANX30</b>	30
<b>NANX35</b>	35
<b>NANX38</b>	38
<b>NANX40</b>	40
<b>NANX45</b>	45
<b>NANX50</b>	50
<b>NANX55</b>	55
<b>NANX60</b>	60
<b>NANX65</b>	65
<b>NANX70</b>	70
<b>NANX75</b>	75
<b>NANX80</b>	80

**Technical features:**

- Nomex®+Film Pet total thickness 0,06 mm
- thermosetting rubber adhesive mass
- dielectric strength kV 5,0
- insulating class F (155°C)
- Homologation UL
- Colour: light brown

package: rolls of mt. 500

N.B. Tapes with heights different from standard can be supplied.

On demand specific data sheet of the product can be supplied.

**DIELECTRIC ADHESIVE TAPES**

**POLYESTER+GLASS FIBERS**

class B ( 130°C. )

code	height mm.
<b>NAPR09</b>	9
<b>NAPR12</b>	12
<b>NAPR15</b>	15
<b>NAPR19</b>	19
<b>NAPR25</b>	25
<b>NAPR30</b>	30
<b>NAPR38</b>	38
<b>NAPR45</b>	45
<b>NAPR50</b>	50
<b>NAPR60</b>	60

**technical features:**

- Pet Film+ glass fibers total thickness 0,06 mm
- thermosetting rubber adhesive mass
- dielectric strength kV 5,0
- insulating class B (130°C)
- Homologation UL
- Colour: white

Package: rolls of mt. 50

**POLYESTER FILM**

colour yellow

class B ( 130°C. )

code	height mm.
<b>NAC309G</b>	9
<b>NAC312G</b>	12
<b>NAC315G</b>	15
<b>NAC319G</b>	19
<b>NAC325G</b>	25
<b>NAC330G</b>	30
<b>NAC335G</b>	35
<b>NAC338G</b>	38
<b>NAC350G</b>	50

**technical features:**

- Polyester Film total thickness 0,06 mm
- thermosetting rubber adhesive mass
- dielectric strength kV 4,8
- insulating class B (130°C)
- Homologation UL
- Colour: yellow standard (on demand other colours and transparent)

Package: rolls of mt. 66.

N.B. Tapes with heights different from standard can be supplied.

On demand specific data sheet of the product can be supplied.

DIELECTRIC ADHESIVE TAPES  
**POLYESTER TNT**

class B ( 130°C. )

code	height mm.
<b>NAC306</b>	6
<b>NAC309</b>	9
<b>NAC312</b>	12
<b>NAC315</b>	15
<b>NAC319</b>	19
<b>NAC322</b>	22
<b>NAC325</b>	25
<b>NAC330</b>	30
<b>NAC335</b>	35
<b>NAC338</b>	38
<b>NAC340</b>	40
<b>NAC345</b>	45
<b>NAC350</b>	50
<b>NAC355</b>	55
<b>NAC360</b>	60
<b>NAC365</b>	65
<b>NAC370</b>	70
<b>NAC375</b>	75
<b>NAC380</b>	80
<b>NAC385</b>	85

**technical features:**

- Pet Film+ TNT total thickness 0,06 mm
- thermosetting rubber adhesive mass
- dielectric strength kV 4,8
- insulating class B (130°C)
- Homologation UL
- Colour: white

Package: rolls of mt. 50

N.B. Tapes with heights different from standard can be supplied.

On demand specific data sheet of the product can be supplied.

**ADHESIVE TAPES**
**PVC TRANSPARENT**

code	height mm.
<b>NAPVCH09</b>	9
<b>NAPVCH12</b>	12
<b>NAPVCH15</b>	15
<b>NAPVCH19</b>	19
<b>NAPVCH25</b>	25
<b>NAPVCH30</b>	30
<b>NAPVCH38</b>	38
<b>NAPVCH50</b>	50

**technical features:**

-transparent pvc film 105°C  
 -solvent adhesive mass  
 -dielectric strength 1,0 kV

package: rolls of 66 mt.

**CREPE PAPER**

code	height mm.
<b>NAC60H09</b>	9
<b>NAC60H12</b>	12
<b>NAC60H15</b>	15
<b>NAC60H19</b>	19
<b>NAC60H25</b>	25
<b>NAC60H30</b>	30
<b>NAC60H38</b>	38
<b>NAC60H50</b>	50

**technical features:**

-masking paper 60°C  
 -solvent adhesive mass  
 -dielectric strength 0,8 kV  
 -Colour: light brown

package: rolls of 50 mt.

**AVANA**

code	height mm.
<b>AVANA50</b>	50

**Adhesive packaging tape**

package: rolls of 66 mt.

## MICA TAPES

**MICA + GLASS FABRIC + SILICON RESIN**

Class H ( 180°C. )

code	height mm.	technical features
<b>NAMK1H20</b>	20	- total thickness 0,13 mm - dielectric strength > 1,4 kV - polymerization 8 hours 160°C
<b>NAMK1H25</b>	25	- colour: green-grey - minimum storage duration 36 months package: rolls of 50 mt.

Suitable for: electric machines, conductors, high and medium voltage coils.

**MICA + GLASS FABRIC + EPOSSIDIC RESIN**

Class F ( 155°C. )

code	height mm.	technical features
<b>NAMK2H20</b>	20	- total thickness 0,19 mm - dielectric strength > 50 Kv/mm - polymerization 4 hours 160°C
<b>NAMK2H25</b>	25	- colour: green-grey minimum storage duration 6 months package: rolls of 50 mt.

Suitable for: electric machines, conductors, high and medium voltage coils.

On demand specific data sheet of the product can be supplied.



## MICA TAPES



## MICA + GLASS FABRIC + EPOSSIDIC RESIN VPI

Class H ( 180°C. )

code	height mm.	Technical features
<b>NAMK3H20</b>	20	- total thickness 0,16 mm - colour: light brown
<b>NAMK3H25</b>	25	- minimum storage duration 24 months package: rolls of 50 mt.

Suitable for: electric machines, conductors, high and medium voltage coils.

## MICA + POLYESTER FILM + EPOXY RESIN VPI

Class F ( 155°C. )

code	height mm.	Technical features
<b>NAMK4H20</b>	20	- total thickness 0,14 mm - colour: light brown
<b>NAMK4H25</b>	25	- minimum storage duration 24 months package: rolls of 50 mt.

Suitable for: electric machines, conductors, high and medium voltage coils.

On demand specific data sheet of the product can be supplied.

## RAW TAPES

**GLASS**

code	height mm.
<b>NVG010</b>	10
<b>NVG015</b>	15
<b>NVG020</b>	20
<b>NVG025</b>	25
<b>NVG030</b>	30
<b>NVG040</b>	40

**technical features:**

- fiber glass tape with reinforced borders, non impregnated, thickness 0,14 mm
- operating temperature -130°C + 500°C
- good resistance against oils, solvents and acids

package: mt 500 in rolls of 50 mt each.

**HEAT SHRINKABLE POLYESTER**

code	height mm.
<b>NPT010</b>	10
<b>NPT015</b>	15
<b>NPT020</b>	20
<b>NPT025</b>	25
<b>NPT030</b>	30
<b>NPT040</b>	40

**technical features:**

- polyester tape thickness 0,14 mm
- shrinkable of 10 % 160°C
- operating temperature – 55°C + 200° C
- good resistance against oils and water

package: mt 500 in rolls of 50 mt each.

**COTTON WITH RED LINE**

code	height mm.
<b>NRR010</b>	10
<b>NRR015</b>	15
<b>NRR020</b>	20
<b>NRR025</b>	25
<b>NRR030</b>	30
<b>NRR040</b>	40

**technical features:**

- cotton tape thickness 0,13 mm
- operating temperature up to 120°C
- good resistance against oils and water

package: mt 500 in rolls of 50 mt each.

N.B: on demand tapes with different height are available.

## BANDAGE TAPE POLYGLAS®



Tape made of parallel fiber glass impregnated with thermosetting polyester resins.  
Suitable for bandage of rotors on electric motors, securing transformer columns and binding wound coils.

Class F ( 155°C. )

code	height mm.
<b>P3010200</b>	10
<b>P3020200</b>	20

### technical features

- thickness 0,30 mm.
  - dielectric strength 28 KV.
  - stability 12 months at 20°C.
- package: rolls of 200 mt.

POLYGLAS® trademark VonRoll/Isola

## BANDAGE ENDING TAPE



Tape in glass fabric thickness 0,20 mm with lateral string Ø 4 mm. to hold the bandage.

code	height mm.	package mt.
<b>NVAB40/4</b>	40	200

On demand specific data sheet of the product can be supplied.

## GLASS-POLYESTER ROPES



code	Ø esterno mm.	package mt	technical features
<b>CVT05</b>	5	100	
<b>CVT07</b>	7	100	
<b>CVT09</b>	9	100	
<b>CVT11</b>	11	100	
<b>CVT13</b>	13	50	External sheath in polyester continuous thread with black line
<b>CVT16</b>	16	50	
<b>CVT18</b>	18	50	Chours in glass fiber flock
<b>CVT20</b>	20	50	
<b>CVT25</b>	25	50	suitable for: water landing, filling, electric binding BT-MT-HT
<b>CVT30</b>	30	50	
<b>CVT35</b>	35	25	
<b>CVT40</b>	40	25	
<b>CVT50</b>	50	25	

N.B. - ropes with external sheath made of glass fiber + chours in fiber glass flock can be supplied.

On demand specific data sheet of the product can be supplied.

## TUBULAR SHEATHS in GLASS YARN



code	Ø mm	thickness mm	package mt	Technical features
<b>CTFV02</b>	2	0,15	200	
<b>CTFV03</b>	3	0,20	200	
<b>CTFV04</b>	4	0,20	200	
<b>CTFV05</b>	5	0,20	200	Tubular sheath braided with glass fiber
<b>CTFV06</b>	6	0,20	200	dielectric strength 500V.
<b>CTFV08</b>	8	0,20	200	temperature: -30°C.+450°C.
<b>CTFV10</b>	10	0,25	200	
<b>CTFV12</b>	12	0,25	200	Good resistance against acids, alkalis and dielectric fluids
<b>CTFV16</b>	16	0,25	200	
<b>CTFV20</b>	20	0,25	200	
<b>CTFV25</b>	25	0,40	200	

## FLAT SHEATHS in POLYESTER YARN

code	Ø mm	thickness mm	package mt	Technical features
<b>CPFP06</b>	6	0,50	300	
<b>CPFP08</b>	8	0,65	200	
<b>CPFP10</b>	10	0,65	250	
<b>CPFP12</b>	12	0,65	250	Flat sheath with polyester thread
<b>CPFP14</b>	14	0,70	200	temperature: -30°C.+200°C.
<b>CPFP16</b>	16	0,70	200	Good resistance against acids, alkalis and dielectric fluids
<b>CPFP18</b>	18	0,70	300	
<b>CPFP20</b>	20	0,75	300	shrinkage: 1 hour at 140°C 10%
<b>CPFP22</b>	22	0,75	300	
<b>CPFP24</b>	24	0,85	200	
<b>CPFP30</b>	30	0,95	200	

On demand specific data sheet of the product can be supplied.

## CORDS for BINDING



## RAFIA

Class F ( 155°C )

code	width mm	N° fili	package mt.	technical features
<b>RAFIA-A4</b>	2	4	1800	
<b>RAFIA-A6</b>	3	6	1000	
<b>RAFIA-A8</b>	4	8	800	- viscose twisted threads, thickness 0,5mm parallel joined with synthetic adhesive in high temperature
<b>RAFIA-A11</b>	5	11	500	
<b>RAFIA-A14</b>	7	14	400	- total thickness 0,25 mm
<b>RAFIA-A16</b>	8	16	350	- Colour: light brown
<b>RAFIA-A18</b>	10	18	300	
<b>RAFIA-A22</b>	11	22	250	

## POLYESTER

Class F ( 155°C )

code	model	package mt.	technical features
<b>2001ML</b>	3/940 FLAT	1000	
<b>2003ML</b>	4/940 TWISTED	1000	
<b>2003/2500TC</b>	4/940 TWISTED	2500	
<b>2005ML</b>	4/940 FLAT	1000	- yarns in polyester with high tenacity, coupled and treated with special paraffins
<b>2006ML</b>	6/940 FLAT	500	- Colour: white
<b>2006MLCM6</b>	6/940 FLAT STRONGLY WAXED	500	
<b>2007ML</b>	4/840 TWISTED	1000	
<b>FPG1100/4</b>	4 CAPI TWISTED 1100TEX	About Kg 3	

On demand specific data sheet of the product can be supplied.





### Technical features:

Insulating class:	F (155°C.)
Hardening power (ASTMA2519-689):	9 Kg.
Dielectric strength (ASTMD115):	4400 V.
Flash point :	25°C
Tack-free dry :	10-15 minutes
Complete drying 25°C. :	24 hours
Diluent:	D100
Colour :	amber

Homologations UL File E171184 E171185

code	package Kg.	features
<b>VA161/5</b>	5	Rapid drying, good flexibility and hardening power, good resistance against acids and alkalis.
<b>VA161/25</b>	25	
<b>VA161/200</b>	200	

N.B. - cans of 200 kg. are available on demand

On demand specific data and safety sheet of the product can be supplied.



INSULATING VARNISHES  
AND RESINS AIR-DRY

## VA160E ECOISOL



### technical features:

Insulating class	F (155°C)
Hardening power (ASTMA2519-689)	7 Kg
Dielectric strength (ASTMD115)	4400 V.
Flash point	21°C
Tack-free dry	60 minutes
Complete drying 25°C	36 hours
Diluent	D127
Colour	(E1) Transparent (E2) Orange

Homologations UL File E171184 E171185

code	package Kg.	features
<b>VA160E1/10</b>	10	Rapid drying, good flexibility and hardening power, good resistance against acids and alkalis, absence of aromatic solvents and formaldehyde, tropicalized.
<b>VA160E1/25</b>	25	
<b>VA160E2/10</b>	10	
<b>VA160E2/25</b>	25	

N.B. - cans of 200 kg. are available on demand

On demand specific data and safety sheet of the product can be supplied.

INSULATING VARNISHES  
AND RESINS OVEN-DRY

## VF111 HYDROL



### Technical features:

Insulating class :	H (180°C.)
Hardening power (ASTMA2519-689):	20 Kg 25°C.
Dielectric strength (ASTMD115):	4400 V.
Flash point :	non inflammable
Baking cycle (items in temperature):	1-3 hours a 100-120°C
Diluent:	water
Suggested dilution:	20 – 50 %
Colour :	Transparent / amber

Homologations: ULFile E171184 E171185

code	package Kg.	features
<b>VF111/25</b>	25	Completely solventless, good flexibility and hardening power, good resistance against acids and alkalis, dilutable with water, excellent tank stability.

N.B. - cans of 200/1000 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.

INSULATING VARNISHES  
AND RESINS OVEN-DRY

## VF111/D1 HYDROL



### technical features:

Insulating class :	H (180°C.)
Hardening power (ASTMA2519-68) :	25 Kg 25°C.
Dielectric strength (ASTMD115):	6000 V.
Flash point :	non inflammable
Baking cycle (items in temperature):	3-5 hours at 130-150°C
Diluent:	water
Suggested dilution:	20%
Colour:	milky white

Homologations ULFile E171184 E171185

code	package Kg.	features
<b>VF111D1/25</b>	25	Completely solventless, excellent flexibility and very high hardening power, resistant against freon, tropicalizing, good resistance against acids and alkalis, dilutable with water.

N.B. - cans of 200/1000 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.

INSULATING VARNISHES  
AND RESINS OVEN-DRY

## VF970 EPOFEN



### Technical features:

Insulating class:	H (180°C.)
Hardening power (ASTMA2519-68):	30 Kg at 25°C.
Dielectric strength (ASTMD115):	4800 V.
Flash point:	29°C.
Baking cycle (items in temperature):	2-4 hours 130-150°C .
Diluent:	D133
Colour:	Transparent

Homologations UL File E171184 E171185

code	package Kg.	features
<b>VF970/25</b>	25	High hardening power, excellent thermal and mechanic properties, high resistance against acids and alkalis, water, oils, chemicals agents and freon.

N.B. - cans of 200 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.

INSULATING VARNISHES  
AND RESINS OVEN-DRY

## VF750 HB



### Technical features:

Insulating class:	H (180°C.)
Hardening power (ASTMA2519-68):	25 Kg a 25°C.
Dielectric strength (ASTMD115):	4600 V.
Flash point:	29°C.
Baking cycle (items in temperature):	2-4 hours 130-150°C.
Diluent:	D100
Colour:	Amber

Homologations UL File E171184 E171185

code	package Kg.	features
<b>VF750HB/25</b>	25	High hardening power, excellent thermal and mechanic properties, good resistance against acids and alkalis.

N.B. - cans of 200 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.

## VF750



### Technical features:

Insulating class:	H (180°C.)
Hardening power (ASTMA2519-68):	20 Kg at 25°C.
Dielectric strength (ASTMD115):	4600 V.
Flash point	29°C.
Baking cycle (items in temperature):	2-4 hours 130-150°C.
Diluent:	D100
Colour:	Amber

Homologations ULFileE171184 E171185

code	package Kg.	features
<b>VF750/10</b>	10	Good hardening power, excellent thermal and mechanic properties, good resistance against acids and alkalis, tropicalized.
<b>VF750/25</b>	25	
<b>VF750/200</b>	200	

N.B. - cans of 200 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.

INSULATING VARNISHES  
AND RESINS OVEN-DRY

## VF750E ECOISOL



### Technical features:

Insulating class :	H (180°C.)
Hardening power (ASTMA2519-68):	15 Kg at 25°C.
Dielectric strength (ASTMD115):	4500 V.
Flash point:	36°C.
Baking cycle (items in temperature):	2-4 hours 100-120°C .
Diluent:	D127
Colour:	(E1) Transparent (E2) Orange

Homologations ULFileE171184 E171185

code	package Kg.	features
<b>VF750E1/10</b>	10	Good hardening power, good thermal and mechanic properties, good resistance against acids and alkalis, without formaldehyde and aromatic solvents, tropicalized.
<b>VF750E1/25</b>	25	
<b>VF750E2/10</b>	10	
<b>VF750E2/25</b>	25	

N.B. - cans of 200 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.



INSULATING VARNISHES  
AND RESINS OVEN-DRY

## PE820DP2- POLYTERM MONO-COMPONENT POLYESTER RESIN



### Technical features:

Insulating class:	H (180°C)
Hardening power (ASTMA2519-68):	26 Kg at 25°C
Dielectric strength (ASTMD115):	6200 V.
Flash point:	166°C.
Baking cycle (items in temperature):	2-4 hours 120-140°C
Diluent:	D197
Colour:	Transparent

Homologations : UL File E171184 E171185

code	package Kg.	features
<b>PE820DP2/25</b>	25	Excellent thermal and mechanic properties, resistance against acids and alkalis, water, oils, chemical agents and freon. Absence of odour, very low exhaust emissions.

N.B. - cans of 200 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.



INSULATING VARNISHES  
AND RESINS OVEN-DRY



## H1100

MONO-COMPONENT EPOXY RESIN



### Technical features:

Insulating class	H (180°C.)
Hardness Shore D (DIN53505):	87 at 25°C.
Dielectric strength (ASTMD115):	190 kV/cm.
Baking cycle (items in temperature):	6 hours 130°C 3 hours 165°C
Colour:	Transparent

code	package Kg.	features
<b>H1100/25</b>	25	Excellent thermal and mechanic properties, resistance against acids and alkalis, water, oils, chemical agents. Absence of odour, very low exhaust emissions, suitable for medium voltage (6000 V.) Vacuum and bath impregnation.

N.B. - cans of 225 kg are available on demand

On demand specific data and safety sheet of the product can be supplied.

INSULATING ENAMEL  
VARNISHES AIR-DRY

## VA160R ISOLDEEP



### Technical features:

Insulating class:	F (155°C.)
Hardening power (ASTMA2519-68):	6 Kg. at 25°C.
Dielectric strength (ASTMD115):	4500 V.
Flash point:	13°C.
Tack-free dry:	10 minutes
Complete drying 25°C:	24 hours
Diluent:	D100
Colour:	Red

Homologations UL File E171184 E171185

code	package Kg.	features
<b>VA160R/1</b>	1	Excellent covering power, excellent thermal properties, good resistance against acids and alkalis, good electrical properties, excellent flexibility, fast drying
<b>VA160R/10</b>	10	
<b>VA160R/25</b>	25	
<b>VA160R/S</b>	400gr.spray	

N.B. – available also grey and black

On demand specific data and safety sheet of the product can be supplied.

INSULATING ENAMEL  
VARNISHES OVEN-DRY

## VF750R ISOLDEEP



### Technical features:

Insulating class:	H (180°C.)
Hardening power (ASTMA2519-68):	18 Kg at 25°C.
Dielectric strength (ASTMD115):	4500 V.
Flash point:	29°C
Baking cycle (items in temperature):	2-3 hours 130-150°C.
Diluent:	D100
Colour:	Red

Homologations UL File E171184 E171185

code	package Kg.	features
<b>VF750R/25</b>	25	Excellent covering power, excellent thermal properties good resistance against acids and alkalis, good electrical properties, good flexibility.

On demand specific data and safety sheet of the product can be supplied.



## DILUENTS

code	model	package lt.	Suitable for
<b>D100/10</b>	D 100	10	VF750HB-VF750-VA161-VF750R-VA160R
<b>D100/25</b>	D 100	25	VF750HB-VF750-VA161-VF750R-VA160R
<b>D127/25</b>	D 127	25	VF750E-VA160E
<b>D133/25</b>	D 133	25	VF970
<b>D197/25</b>	D 197	25	Viscosity corrector PE820DP2

## REMOVER

code	model	package lt.	features
<b>ST417/25</b>	ST417	25	Made of particular solvents and additives suitable for removal of polymerised varnishes and resins and for cleaning tanks and varnishing plants. Being a very volatile product it is essential to cover its surface with an abundant layer of water.

On demand specific data and safety sheet of the product can be supplied.

**NOTES**

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RESINS for ENCAPSULATION

## EX1002

## EPOXY RESIN



### Technical features:

Insulating class:	F (155°C.)
Hardness Shore D/15:	70
Dielectric strength:	16 kV/mm.
Pot life:	1 hour
Water absorption:	0,39%
Catalyzer:	CT051 at 10%
Mix colour:	Transparent

code	type	package Kg.	features
<b>EX1002/1</b>	EX 1002	1	Bicomponent epoxy resin with excellent electric properties, excellent hardening power, good resistance against acids and alkalis and excellent penetration.
<b>CT051/100</b>	CT 051	0,1	

On demand specific data and safety sheet of the product can be supplied.

RESINS for ENCAPSULATION

## EX1000

## EPOXY RESIN



### Technical features:

Insulating class:	F (155°C.)
Hardness Shore D/15:	70
Dielectric strength:	16 kV/mm
Pot life:	1 hour
Water absorption:	0,48%
Catalyzer:	CT051 al 7%
Colour:	Red (R) - Black (N)

code	tipo	package Kg.	features
<b>EX1000.. /1</b>	EX 1000	1	Bicomponent epoxy resin with excellent electric properties, excellent hardening power, good resistance against acids and alkalis and excellent penetration. Self extinguishing  N.B. version EX1000RT tixotropic paste for application by spatula.
<b>EX1000.. /10</b>	EX 1000	10	
<b>EX1000.. /25</b>	EX 1000	25	
<b>EX1000RT/1</b>	EX1000	1	
<b>CT051/070</b>	CT 051	0,07	
<b>CT051/1000</b>	CT 051	1	

On demand specific data and safety sheet of the product can be supplied.

RESINS for ENCAPSULATION

## EC57

## EPOXY RESIN



### Technical features:

Insulating class:	F (155°C. )
Hardness Shore D/15:	88
Dielectric strength:	24 kV./mm.
Gelification time:	4 hours at 25°C.
Water absorption:	0,06%
Catalyzer:	K21 at 20%
Mix colour:	Straw-yellow/ Amber

code	tipo	package Kg.	features
<b>EC57/5</b>	EC 57	5	Bicomponent epoxy resin with excellent electric properties, excellent hardening power, good resistance against acids and alkalis and excellent penetration.
<b>K21/1</b>	K 21	1	

On demand specific data and safety sheet of the product can be supplied.



RESINS for ENCAPSULATION

## PU115

## POLYURETHANE RESIN



### Technical features:

Insulating class:	F (155°C.)
Hardness Shore D/15:	93
Dielectric strength:	3,2 kV/0,1 mm.
Pot life:	1 hour
Water absorption:	0,10%
Catalyzer:	CT115A at 20%
Colour:	Black

code	type	package Kg.	features
<b>PU115N/1</b>	PU115N	1	Bicomponent flexible epoxy resin with excellent electric properties, good resistance against acids and alkalis, excellent penetration and suitable for encapsulating electrical and electrotechnical parts.
<b>PU115N/25</b>	PU115N	25	
<b>CT115A/200</b>	CT115A	0,2	
<b>CT115A/5000</b>	CT115A	5	

On demand specific data and safety sheet of the product can be supplied.



## EPOSTEEL 2400

code	package Kg.	features
<b>EPOSTEEL2400</b>	A + B = 4 Kg	Paste for balancing made of: <b>Base A</b> (Colour WHITE) <b>Base B</b> (Colour RED) to be mixed in equal proportions, used to balance the rotors. It adheres perfectly to metal surfaces, it has excellent mechanical and dynamical resistance and it can be worked and moulded following the needs.

## REMOVER Z25LE

code	package Kg.	features
<b>Z25LE/S</b>	400 gr spray	Spray remover employed to avoid adhesion of various encapsulating resins to metal parts. It facilitates the extraction of resined parts from holders or moulders where resins are poured.

On demand specific data and safety sheet of the product can be supplied.