



ELECTRICAL INSULATING BLANKET

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Electrical insulating blanket in general

Electrical insulating blanket are made of rubber compounds by rotocure technology. Rubber, due to its properties of resistivity, is used in many applications through industry to insulate and protect. Rubber is a natural dielectric material and will therefore inhibit the flow of electric current.

Key features

- Can withstand 10kV
- Suitable for both AC, DC installation
- Durable and easy to clean with a mild detergent
- Easy to handle and use
- Packed in 10m rolls as well as custom cuts
- Conformity with IEC 61112:2009
- Durable marking each approx. 300mm

Applications

Prevent the risk of electric shock around electrical conductors and high voltage equipment such as fuse boxes, control panels, switchboards and distribution poles.

AVAILABLE COLORS



AVAILABLE PROFILES

EIP - smooth profile



AVAILABLE CLASS AND CATEGORIES



CLASS 0

Working voltage: 1 000 V
Proof voltage: 5 000 V
Withstand voltage: 10 000 V



**ACID
RESISTANT**

The material retains its electrical strength and electrical insulating properties even when directly exposed to aggressive acids.



**OZONE
RESISTANT**

The material retains its electrical strength and electrical insulating properties even when exposed to an aggressive gas - ozone, which is used for cleaning, and is also formed during electric discharges.

| | |
|------------|---|
| EIPO-1,0x0 | 4 |
| EIPO-1,5x0 | 5 |

ELECTRICAL INSULATING BLANKET CLASS O (A,Z) EIPo-1,0XO



| | | | | | | | | |
|-----------|----|--------------|-------------------|----------|------|-------------|------------------|-----|
| 1 | mm | 1.4 | kg/m ² | 60 +/- 5 | Sh A | EXTERIOR | 16 | MPa |
| THICKNESS | | BASIS WEIGHT | | HARDNESS | | ENVIRONMENT | TENSILE STRENGTH | |

Top side - smooth surface



Bottom side - smooth surface



ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1 m; 1x1 m; 1,2x1 m or others.

RESISTANCE ACCORDING TO IEC 61112:2009

| | |
|--|-----|
| Mechanical puncture resistance | YES |
| Dielectric tests according given class | YES |
| Ageing tests | YES |
| Low temperature folding test | YES |
| Flame retardance test | YES |
| Ozone resistance | YES |
| Acid resistance | YES |

Electrical insulation blanket EIPo-1,0xo is a flexible covering material made of high-quality EPDM elastomer used to cover wires that are powered under voltage or grounded, suitable for interior and exterior environments. It is made in a thickness of 1.0 mm (+0.3; -0.1) and widths of 1000 - 1200 mm. We deliver it in rolls of 10 m length. It has a smooth surface on both sides. It is marked along the entire length of the board with a marking tape according to the corresponding electrical class (class O - red tape).

The electrical insulation blanket EIPo-1,0xo is certified according to the IEC 61112:2009 standard in class O, with a specified working voltage for direct current 1500 V and for alternating current 1000 V. Also certified according to category A and Z, i.e. resistant to acids and ozone.

Tensile strength reaches at least 16 MPa and tear resistance is at least 500%.

CONFIGURATION OPTIONS

THICKNESS

1 mm (+0,3 mm/- 0,1 mm)

WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

LENGTH

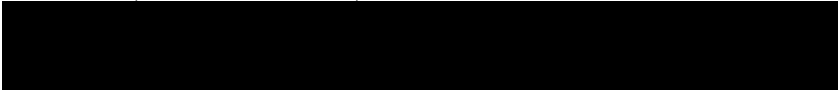
10 m (+/- 200 mm)

ELECTRICAL INSULATING BLANKET CLASS O (A,Z) EIPo-1,5X0



| | | | | |
|-----------|-----------------------|---------------|-------------|------------------|
| 1.5 mm | 1.6 kg/m ² | 60 +/- 5 Sh A | EXTERIOR | 12 MPa |
| THICKNESS | BASIS WEIGHT | HARDNESS | ENVIRONMENT | TENSILE STRENGTH |

Top side - cloth impression



Bottom side - cloth impression



ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1 m; 1x1 m; 1,2x1 m or others.

RESISTANCE ACCORDING TO IEC 61112:2009

| | |
|--|-----|
| Mechanical puncture resistance | YES |
| Dielectric tests according given class | YES |
| Ageing tests | YES |
| Low temperature folding test | YES |
| Flame retardance test | YES |
| Ozone resistance | YES |
| Acid resistance | YES |

Electrical insulating blanket certified according to the IEC 61112:2009 standard in class O, with a specified operating voltage of 1000 V DC and 1500 V AC. Also certified according to categories A and Z, resistant to acids and ozone. Vulcanized elastomer with top and bottom cloth imprint in orange with thickness 1,5 mm and a basic weight 1,6 kg/m². Marking is done by precuring a lengthwise marking tape covering the entire roll length. This way of marking is durable and unerasable. Blanket achieve minimum tensile strength 12 MPa and elongation at break minimum 300%. We supply it in rolls 1 m or 1,2m which allows you to cut parts of different shapes and sizes according to the needs of end users. It has many uses. On request we can provide custom cuts.

CONFIGURATION OPTIONS

THICKNESS

1.5 mm (+/- 0,2 mm)

WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

LENGTH

10 m (+/- 200 mm)

20 m (+/- 200 mm)