

# Motor film

Product description

Motor film (also known as motor film) is a kind of polyester film used for the insulation of motors and electrical appliances, with excellent electrical insulation properties and heat resistance, and is mainly used in the insulation structure of electrical equipment such as motor coils and transformers.

Product application

It is mainly used for the insulation of motors and generators, and can also be used for the insulation of wires and cables.

properties

Product model

P111-125

P111-188

P111-250

Technical Parameters

Total thickness[mm]

0.125

0.188

0.25

Thermal shrinkage (MD) [%]150°C, 30min

1.0

1.0

1.0

Thermal shrinkage (TD) [%]150°C, 30min

0.6

0.6

0.6

Tensile strength (MD) [MPa]

200

190

180

Tensile strength (TD) [MPa]

190

190

180

Elongation At Break (MD) [%]

150

170

190

Elongation At Break (TD) [%]

160

160

160

Power frequency electrical strength[V/μm]

80

70

60

Relative permittivity 50Hz

3.3

3.3

3.3

Surface insulation resistance [ Ω ]

$3.0 \times 10^{15}$

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The dielectric dissipation factor is 50Hz

$2.3 \times 10^{-3}$

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$2.4 \times 10^{-3}$

volume resistivity [ Ω • cm ]

$1.4 \times 10^{14}$

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$1.4 \times 10^{14}$

Storage and shelf life

It is recommended to store in a clean and dry place, away from direct sunlight to prevent damage to the packaging, and to avoid storing with volatile solvents. Store at  $25 \pm 5^{\circ}$  C and humidity at  $50 \pm 5\%$ .