

DATA SHEET 4863x.180.xxxxx

CF-T1/PD NEW QUALITY

Heat stabilized polyester film. Ink receptive coating for conductive and insulating pastes on both sides.

Material is available with thicknesses of 0.13 mm, 0.18 mm or 0.25 mm. Available in sheets and rolls. Sheets available in standard packing unit or on demand. All sheets are equipped with interleaving paper as standard.

Formats

Art.Number	Nominal thickness (mm)	Packing quantity
4863x.130.xxxxx	0.13	100
4863x.180.xxxxx	0.18	100
4863x.250.xxxxx	0.25	100

Rolls

Art.Number	Length (m)	Nominal thickness (mm)
4863x.130.xxxxx	100	0.13
4863x.180.xxxxx	100	0.18
4863x.250.xxxxx	100	0.25

Technical data

Characteristic



- Ink receptive coating
- Suitable for silver and graphite pastes
- Suitable for textured laquers

Thermostabilized PET-Film

Specifications

Length (m)	100
Nominal thickness (mil)	7.2
Nominal thickness (mm)	0.180
Base Material	Polyester

Product Applications

- Suitable for Membrane Switches, sign production as well as for production of labels

Storage

- Once packaging is opened, store at a room temperature of 15 - 25°C and at a humidity of 30 - 60 %
- Shelf life 1 year after delivery (under recommended storage conditions)

Properties

Property	Test Method	Value
Optical		
Haze	ASTM D1003-77	< 1%
Total luminous transmission	ASTM D1003-77	> 90%
Mechanical		
Embossing	Folex method	possible
Tensile strength at break	ASTM D 882	170 N/mm ²
Switch life	Folex method according to DIN 42115	> 5 Mio. flexes
Chemical		
Chemical stability	Folex method	partly resistant
Electrical		
Dielectric strength ¹	ASTM D149-81	120 kV/mm (125 µm)
Dielectric constant ¹	ASTM D150, 1 kHz	3,25 (23my)
Surface resistivity	ASTM D257-83	10 ¹³ Ohm/sq.
Thermal		
Shrinkage TD	130°C 30 min Folex method	< 0,3%
Shrinkage MD	130°C 30 min Folex method	< 0,2%
Maximum processing temperature		120°C
Melting temperature ¹	ASTM E794-85	255°C
Surface		
Roughness Ra	EN ISO 4287, ASME B46.1	0,2 - 0,4 µm
Scratch resistance	Folex method	partly resistant
Surface tension front side	DIN 53364, ASTM D2578	38 - 41 mN/m

Surface tension reverse side

DIN 53364, ASTM D2578

38 - 41 mN/m

¹ Data derived from base film Polyester manufacturer's literature with base film

Product liability clause

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