

DATA SHEET 4863x.130.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

Nominal thickness (mil)	5.2
Nominal thickness (mm)	0.13
Base Material	Polyester
Packing quantity	100

## Product Applications

### 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
<b>Optical</b>		
Haze	ASTM D1003-77	< 1%
Total luminous transmission	ASTM D1003-77	> 90%
<b>Mechanical</b>		
Embossing	Folex method	possible
Tensile strength at break	ASTM D 882	170 N/mm <sup>2</sup>
Switch life	Folex method according to DIN 42115	> 5 Mio. flexes
<b>Chemical</b>		
Chemical stability	Folex method	partly resistant
<b>Electrical</b>		
Dielectric strength <sup>1</sup>	ASTM D149-81	120 kV/mm (125 µm)
Dielectric constant <sup>1</sup>	ASTM D150, 1 kHz	3,25 (23my)
Surface resistivity	ASTM D257-83	10 <sup>13</sup> Ohm/sq.
<b>Thermal</b>		
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 <sup>1</sup>	ASTM E794-85	255°C
<b>Surface</b>		
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

<sup>1</sup> Data derived from base film Polyester manufacturer's literature with base film

**Product liability clause**

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