DATA SHEET 4891x.175.xxxxx

EL-NG

Polyester film with conductive coating on the front side. Both sides with ink receptive coating. Material is available with a thickness of 0.13 mm and 0.18 mm.

Available in sheets and rolls. Sheets available in standard packing unit or on demand. All sheets and rolls are equipped with self-adhesive protective film on the conductive side as standard.

Formats

Art.Number	Nominal thickness (mm)	Packing quantity
4891x.125.xxxxx	0.13	100
4891x.175.xxxxx	0.18	100

Rolls

Art.Number	Length (m)	Nominal thickness (mm)
4891x.125.xxxxx	100	0.13
4891x.175.xxxxx	100	0.18

Technical data

Characteristic

- Ink receptive coating
- Suitable for textured laquers

Specifications

Nominal thickness (mil)	7.2
Nominal thickness (mm)	0.18
Base Material	Polyester
Packing quantity	100

Handling

- Preliminary testing necessary by customer

Properties

Property	Test Method	Value
Optical		
Haze	ASTM D1003-77	0,6 - 2,0%
Mechanical		
Embossing	Folex method	possible
Tensile strength at break	ASTM D 882	170 N/mm^2
Chemical		
Chemical stability	Folex method	partly resistant
Electrical		
Dielectric strength[1]	ASTM D149-81	120 kV/mm (125 µm)
Surface resistivity	ASTM D257-83	110 Ohm/sq.
Thermal		
Shrinkage TD	130°C 30 min Folex method	< 0,7%
Shrinkage MD	130°C 30 min Folex method	< 0,7%
Maximum processing temperature		120°C
Melting temperature[1]	ASTM E794-85	255°C
Surface		
Roughness Ra	EN ISO 4287, ASME B46.1	0,1 - 0,4 µm
Scratch resistance	Folex method	partly resistant
Surface tension Front side	DIN 53364, ASTM D2578	44 ± 2 mN/m
Surface tension Back side	DIN 53364, ASTM D2578	38 ± 2 mN/m

[1] Data derived from base film Polyester manufacturer's literature

Product liability clause

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