

## 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

Length (m)	100
Nominal thickness (mil)	7.2
Nominal thickness (mm)	0.18
Base Material	Polyester

## Handling

- Preliminary testing necessary by customer

## 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 above storage conditions)

## Properties

Property	Test Method	Value
<b>Optical</b>		
Haze	ASTM D1003-77	0,6 - 2,0%
<b>Mechanical</b>		
Embossing	Folex method	possible
Tensile strength at break	ASTM D 882	170 N/mm <sup>2</sup>
<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)
Surface resistivity	ASTM D257-83	110 Ohm/sq.
<b>Thermal</b>		
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 <sup>1</sup>	ASTM E794-85	255°C
<b>Surface</b>		
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

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

### Product liability clause

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