

DATA SHEET 4824x.180.xxxxx

GO-AG DES

Polyester film with anti glare coating and UV protection on the front side suitable for window and structure printing with 2 component lacquers. Reverse side with coating for digital printing with eco-solvent Inkjet.

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 are equipped with interleaving paper as standard. Options such as self-adhesive protective film is available but will be an additional cost.

Formats

| Art.Number | Nominal thickness (mm) | Packing quantity |
|-----------------|------------------------|------------------|
| 4824x.130.xxxxx | 0.13 | 100 |
| 4824x.180.xxxxx | 0.18 | 100 |

Rolls

| Art.Number | Length (m) | Nominal thickness (mm) |
|-----------------|------------|------------------------|
| 4824x.130.xxxxx | 100 | 0.13 |
| 4824x.180.xxxxx | 100 | 0.18 |

Technical data

Characteristic



- Suitable for eco solvent ink
- Suitable for Ink Jet digital
- Ink receptive coating
- Suitable for window printing
- Suitable for textured lacquers
- With UV protection

Specifications

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

Product Applications

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

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 |
|----------------------------------|-------------------------------------|-----------------------|
| Optical | | |
| Haze | ASTM D1003-77 | 15 - 25% |
| Gloss level (60°) | ASTM D2457-70, ASTM D523 | 45 - 65 GU |
| 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 | good |
| Electrical | | |
| Dielectric strength ¹ | ASTM D149-81 | 120 kV/mm (125 µm) |
| 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 | 0,7 - 0,9 µm |
| Scratch resistance | Folex method | good |

| | | |
|------------------------------|-----------------------|--------------|
| Surface tension front side | DIN 53364, ASTM D2578 | 28 - 35 mN/m |
| Surface tension reverse side | DIN 53364, ASTM D2578 | 38 - 41 mN/m |

¹ Data derived from base film Polyester manufacturer's literature

Product liability clause

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