

DATA SHEET 4831x.300.xxxxx

GO-PU/SM

Polyurethane film with semi matt surface on cardboard carrier. The front side allows window printing. Reverse side available with or without ink receptive coating. Material is very resistant under cold conditions and stroke exposure. Small scratches disappear again. When being used outside there is no danger of brittleness despite slight yellowing. We recommend removal of the cardboard for stabilization on the front side after screen printing.

Material is available with a thickness of 0.30 mm. Without ink receptive coating: 48310.xxx.xxxxx. With ink receptive coating: 48311.xxx.xxxxx.

Formats

Art.Number	Nominal thickness (mm)	Packing quantity
4831x.300.xxxxx	0.30	100

Rolls

Art.Number	Length (m)	Nominal thickness (mm)
4831x.300.xxxxx	100	0.30

Technical data

Characteristic



- Suitable for eco solvent ink
- Suitable for Ink Jet digital
- Ink receptive coating
- Suitable for window printing

Specifications

Length (m)	100
Nominal thickness (mil)	12

Nominal thickness (mm)	0.30
Base Material	Polyurethane film

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	Testmethode	Wert
Optical		
Haze	ASTM D1003-77	55 - 65%
Gloss level (60°)	ASTM D2457-70, ASTM D523	12 - 18 GU
Total luminous transmission	ASTM D1003-77	> 80%
Mechanical		
Embossing	Folex method	partially possible
Hardness	Shore A	86 - 88
Chemical		
Chemical stability	Folex method	good
Thermal		
Shrinkage TD	130°C 30 min Folex method	< 0,7%
Shrinkage MD	130°C 30 min Folex method	< 0,7%
Maximum processing temperature		110°C
Surface		
Scratch resistance	Folex method	good
Surface tension front side	DIN 53364, ASTM D2578	48 - 51 mN/m
Surface tension reverse side	DIN 53364, ASTM D2578	38 - 41 mN/m

Product liability clause

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. It is the users responsibility to determine the suitability for his/her own use and application and test through the complete production process to ensure the product is fully suitable for the intended use, since conditions of use are beyond our control. The sale of our products shall be subject to our current General Terms and Conditions. We reserve the right to make changes that serve to improve the product.