



OPALFILM® liquid film

Technical properties

Resistance class EN 12 600	
Elongation at break according DIN 53455-7-3	306 %
Tensile strength according DIN 53455-7-3	41,4 N/mm ²
Tear strength according DIN 53515	50,8 N/mm
Vapour steam density DIN 53122 sheet 1 / DIN 52615.....	12,4 g/(m ² d)
Vapour diffusion resistance DIN 52615.....	μ = 6265
UV-transmission^{TUV} wavelength 280...400 nm DIN 67507)	0,06 %
Abrasion resistance not measurable	
Viscosity (transparent + coloured) Brookfield RVT # 4 to 5 U/min. at 20 °C	5.000 = 500 m Pa. s.
Flash point (liquid)	23 °C
Density	transparent = 0,98 g/cm ³ coloured = 0,98 g/cm ³
Elasticity	permanently elastic
Sound insulation behaviour	excellent
Colour stability	no fading at UV radiation
Ignition temperature	370 °C
Storing time	in original packaging ca. 6 month
Storage	cool
Drying time (at 20 °C).....	approx. 2-3 hours
.....	after 3 days loading capacity: normal
.....	after 6 days loading capacity: full
Recycling & disposal	hazardous waste

Properties:

- classified according DIN EN 12 600
- Liquid plastic / anti splinter varnish (splinter retention in case of glass breakage)
- high UV protection
- Processing in food producing areas without direct contact with food possible
- If the condensation water is present on the surface to be treated, the adhesion is poorer
- Processing at least 3° above the dew temperature
- Best processing environment at a temperature of 15-25°C and a humidity of max. 50%
- Hydrophilicity (water storage and milky colouring at elevated humidity) - Drying Restores transparency

Optical properties:

- inside/outside: transparent

Recommended use:

- Float glass, tempered glass, insulation glazing, VSG laminated safety glass,
sun protection glazing
- suitable for structured surfaces

All data is subject to normal manufacturing tolerances. Technical modifications reserved. Please observe our safety regulations according to the safety data sheet.