



**OPALFILM® liquid film**

Technical properties

**Resistance class** EN 12 600

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

**Properties:**

- classified according DIN EN 12 600
- Liquid plastic / anti splinter varnish (splinter retention in case of glass breakage)
- high UV protection

**Optical properties:**

- inside/outside: transparent

**Recommended use:**

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