

Product Data Sheet

ISO-PUR A 776

Description:

ISO-PUR A 776 is a cold-curing 2-component polyurethane cast resin based on polyetherpolyols and aliphatic diisocyanates. The cast resin shows a low pouring viscosity. The material is used as selfcuring gel for electro-insulation. ISO-PUR A 776 has a good adhesion to metals and many plastics.

The hydrophobic resistance is excellent.

Technical Data:

resin	viscosity / 20°C colour density / 20°C	app. 3000 mPa s colourless* 1.0 g/cm ³
hardener	viscosity / 20°C colour density / 20°C	app. 3000 mPa s colourless 1.0 g/cm ³
mixture	mixing ratio resin : hardener viscosity / 20°C colour density / 20°C potlife / 20°C	1 : 1 pbw app. 3000 mPa s colourless* 1.0 g/cm ³ app. 120 min

*

or on request

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Properties of cured product (typical values):

mixing ratio resin : hardener	1 : 1 pbw
penetration	app. 300 mm/10
temperature resistance	long-time: 150°C
dielectric strength	> 22 kV/mm
dissipation factor $\tan \delta$ / 25°C / 50 Hz	0.006
dielectric constant ϵ / 25°C / 50 Hz	2.8
thermal conductivity	0.2 W/K m
thermal volume expansion coefficient	$3 \cdot 10^{-4} \text{ K}^{-1}$
tracing resistance	KA 3c
weather resistance	good UV resistance, after long period colour-change possible
chemical resistance against mineral oil, 2n H ₂ SO ₄ , CaCO ₃ -solution	no visible degradation

Storage:

Store dry and well closed.

Processing:

Resin and hardener should be evacuate before mixing. Then mix resin and hardener carefully in recommended ratio for 2 minutes. The mixture has to be poured into the mould immediately after mixing. Air bubbles that have been stirred in can be removed before end of potlife by evacuating or by using hot air.

Please see material safety data sheet for additional information.