

Product Data Sheet

ISO-FILL BRW

Description:

ISO-FILL BRW is a reenterable cold curing 2-component nonurethane encapsulating gel. Unlike other pouring compounds, ISO-FILL BRW is free of isocyanates, epoxides, and silicones. It is not classified according to German and EC regulations.

The resin is suitable in telecommunication applications to avoid damages by moisture, 1 kV power cableboxes, and for the sealing of many other electronic parts, especially where no mechanical stress is allowed (even at very low temperature).

For changing the installation or for repairing purposes the resin can be removed very easy.

ISO-FILL BRW has a medium viscosity while pouring. The cured product shows good adhesion to metals, minerals and many plastics. The hydrophobic behaviour is excellent.

Technical Data:

resin	viscosity / 20°C colour density / 20°C	app. 2000 mPa s pale yellow 1.0 g/cm ³
hardener	viscosity / 20°C colour density / 20°C	6000 – 9000 mPa s colourless 0.95 g/cm ³
mixture	mixing ratio resin : hardener viscosity / 20°C colour density / 20°C potlife / 20°C geltime / 20°C	1.55 : 1 pbw app. 3200 mPa s pale yellow 1.0 g/cm ³ app. 45 min app. 120 min

Continuation Technical Data ISO-FILL BRW

Properties of cured product (typical values):

mixing ratio resin : hardener	1.55 : 1 pbw
temperature resistance	long-time: 100°C short-time: 140°C
tensile strength	126 kN/m ² at 24°C
elongation	94 %
tear strength	595 N/m at 24°C
dielectric strength	> 10 kV/mm
dielectric strength while still liquid	> 5 kV/mm
water absorption (ASTM D570)	0.04% gain
chemical resistance against mineral oil, 2n H ₂ SO ₄ , CaCO ₃ -solution	no visible degradation

Storage:

Store dry and well closed.

Processing:

Stir up resin compound well. Then mix resin and hardener carefully in recommended ratio for 1 - 3 minutes (depending on size of mixture and potlife). 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.