

Product Data Sheet

ISO-FILL BRW

Description:

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

The hydrophobic properties of the resin are excellent. Therefore it is especially suitable in telecommunication applications to avoid damages by moisture, in 1 kV power cable-boxes, and for the sealing of many other electronic parts, especially where no mechanical stress is allowed (even at very low temperature, $T_g < -50^\circ\text{C}$).

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.

Technical Data:

resin	viscosity / 20°C	app. 2000 mPa s
	colour	pale yellow *
	density / 20°C	0,9 g/cm ³
hardener	viscosity / 20°C	6000 – 9000 mPa s
	colour	colourless
	density / 20°C	0.95 g/cm ³
mixture	mixing ratio resin : hardener	1.55 : 1 pbw *
	viscosity / 20°C	app. 3200 mPa s
	colour	pale yellow *
	density / 20°C	0,9 g/cm ³
	potlife / 20°C	app. 45 min *
	gelttime / 20°C	app. 120 min *

* or on request

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	130 kN/m ² at 23°C
elongation	> 100 %
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. Recommended storage temperature is 5-50°C.

Processing:

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.

Special packing 2-chamberbag: This product is also available in 2 chamber bags. For processing please remove the rubber cord from the U-profile. The U-profile can be removed from the bag now. Mix resin and hardener by kneading thoroughly for 2-3 minutes. Wipe of the corners of the bag to make sure to remove also remains of resin and hardener from there. After mixing a homogenous product with streaks is obtained. Now open the bag, put on the plastic tube and fill the material into the desired housing.

Please see material safety data sheet for additional information.