

Product Data Sheet

ISO-FILL BRH

Description:

ISO-FILL BRH is a reenterable cold curing 2-component nonurethane encapsulating gel. Unlike other pouring compounds, ISO-FILL BRH 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 cable-boxes, 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 BRH 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. 7000 mPa s red-brown 1.36 g/cm ³
hardener	viscosity / 20°C colour density / 20°C	app. 6000 mPa s transparent / pale yellow 0.95 g/cm ³
mixture	mixing ratio resin : hardener viscosity / 20°C colour density / 20°C potlife / 20°C geltime / 20°C	3.9 : 1 pbw app. 6500 mPa s red-brown 1.2 g/cm ³ app. 18 min app. 28 min

Continuation Technical Data ISO-FILL BRH

Properties of cured product (typical values):

mixing ratio resin : hardener	3.9 : 1 pbw
temperature resistance	120 °C
hardness	15-20 Shore A
tensile strength	0,9N/mm ² at 20°C
elongation	200 %
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.