

Product Data Sheet

ISO-Foam Cast Resin „HS 400“

Description:

ISO-Foam Cast Resin „HS 400“ is a 2-component rigid foam system with closed cell structure. The system is suitable for filling various types of hollow spaces, e.g. in building and construction applications, for low voltage cable joints, but also in marine applications (boat body) and packaging. The foaming process is exclusively effected by the chemical reaction of the hardener (aromatic polyisocyanate) and water (ingredient of the resin).

ISO-Foam Cast Resin „HS 400“ does not contain any ozone depleting agents or other volatile organic compounds.

Processing:

Resin and hardener have to be mixed right before use. To make processing easier, both components are supplied as a kit already in the correct ratio. Mixing should not exceed about 10 seconds, the mixture is then poured into the cavity to be filled and foaming will start.

Technical Data:

resin	Flash point viscosity / 20°C colour density / 20°C	> 200 °C app.6000 mPa s clear (coloured modification available on request) 1.0 g/cm ³
hardener	Flash point viscosity / 20°C colour density / 20°C	> 200 °C app. 200 mPa s brown 1.2 g/ cm ³

Continuation Technical Data ISO-Foam Cast Resin „HS 400“

Properties of cured product (typical values):

mixing ratio resin : hardener	1 : 1.2 pbw 1 : 1 vpw	
Beginning of foaming after mixing hardener and resin	3 min *	
tack-free after	app. 10 min *	
gelttime	8 min*	
foam density	app. 250 kg/ m ³	
Open cell content	< 10 %	
thermal expansion coefficient	6.1 * 10 ⁻⁶ K ⁻¹	
dielectric strength Volume	20 kV/mm	DIN 53481
resistivity	1.0 * 10 ¹⁶ Ohm cm	DIN 53482
Track resistance	KA 3 a	DIN 52480
Combustibility class	B2	DIN 4102

* depending on processing conditions

Please see material safety data sheet for additional information.

This data sheet replaces previous issues.

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