

Description:

epple 06450-new is a two-component, solvent-free cast resin on the basis of epoxy. The low-viscous material rapidly cures to a tough mould with high mechanical strength, high glass transition temperature and good thermal resistance. **epple 06450-new** provides good adhesion to metal, wood and various plastics.

Application:

epple 06450-new is used for the grouting of smaller volumes. It is suitable for the isolation of electric components, as well as for the strain-relief of cables. Thanks to its high thermal resistance, it is furthermore applicable for the grouting of rotors and stators on electric small-power motors.

Specific properties:

Depending on the ambient temperature, heavy exothermal reactions are possible with film thicknesses >1 cm.

Legal regulations:

Accordant to RoHS (2011/65/EU and 2015/863): yes

Application / Surface:

- The surface has to be clean and free from dust and grease.
- Decant component B into the tin of component A. Mix the two components thoroughly and homogeneously. Eventually, fill over the mixture into another, clean container and stir the material again.

Cleaning of tools:

Thinner 11

Packaging:

Tins

Basis / Characteristics

Components		Solvent-		Chemical Basis	
1-comp.	2-comp.	free	containing	Epoxy	Polyurethane

Properties of the liquid cast resin

Property	Component A	Component B	Following to standard
Viscosity	1 - 3 Pas	1 - 3 Pas	DIN EN ISO 3219
Viscosity of mixture	1 - 3 Pas		DIN EN ISO 3219
Density	1.1 – 1.2 g/cm ³ / 20 °C	1.05 – 1.15 g/cm ³ / 20 °C	DIN 53479
Mixing rate	77 parts by weight 76 parts by volume	23 parts by weight 24 parts by volume	gravimetric volumetric
Colour of mixture	black		-
Loss on drying up to 140 °C	-		
Pot life	20 - 35 min		DIN VDE 0291-2
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 – 30 °C. Stir-up before use.		

Diese Druckschrift soll Sie beraten. Die darin gemachten Angaben entsprechen unserem besten Wissen, jedoch kann eine Verbindlichkeit daraus nicht hergeleitet werden.

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Properties of the cured cast resin

Property	Value	Following to standard
Hardness (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	- 75 - 85 163 – 195 s	DIN 53505 DIN 53505 DIN 53157
Temperature resistance (after 7 days at 20 °C)	-25 °C to +150 °C	
Absorption of water 20 °C / 7 days 100 °C / 30 min	0.3 – 0.5 % -	ISO 62
Chemical resistance (after 7 days at 20 °C)	Water, detergent RME, fuel ATF-oil	epple-standard

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