

Description:

epple 07172 is a two-component, solvent-free cast resin on the basis of epoxy.

This high-viscous material is of short pot-life but nevertheless, cures to a well deaerated, tough mould.

Application:

epple 07172 is particularly suitable for components exposed to heavy chemical load. It provides very good resistance against various mineral acids, e. g. sulphuric acid, hydrochloric acid or phosphoric acid.

Specific properties:

Thanks to its still existing elasticity, **epple 07172** absorbs high mechanical strains like they use to occur e. g. in jouncing tests.

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.
- If possible, stir-up the components before use.

Cleaning of tools:

Thinner 11

Packaging:

pail

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	74 – 110 Pas	0.05 – 0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	–		DIN EN ISO 3219
Density	1.5 – 1.6 g/cm ³ / 20 °C	1.0 – 1.1 g/cm ³ / 20 °C	DIN 53479
Mixing rate	89 parts by weight 85 parts by volume	11 parts by weight 15 parts by volume	gravimetric volumetric
Colour of mixture	brown		-
Loss on drying up to 140 °C	0 %		
Pot life	5 – 10 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. Please stir-up the components 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	- 81 – 91 153 – 183 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 – 0.4 % 0.4 – 0.6 %	ISO 62
Chemical resistance (after 7 days at 20 °C)	mineral acids ATF-oil water tenside solutions RME leaches (to up to 5 %)	epple-standard

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