

Description:

epple 06762-new is a two-component, solvent-free cast resin on the basis of epoxy. The low-viscous material cures to a tough mould and remains transparent when applied in thin coats. In thicker coats it becomes slightly translucent. **epple 06762-new** is characterized by its good thermal resistance, high mechanical strength and its high elasticity. It provides good adhesion to metals, wood, concrete and various plastics.

Application:

epple 06762-new is used for the grouting of smaller volumes. It is suitable for the protection of electric components, e. g. for illuminating diodes, where transparency and high toughness are required. Thanks to its good flowability, **epple 06762-new** is also suitable for the grouting of small and complex structures.

Specific properties:

Thanks to the low viscosity of **epple 06762-new**, it is possible to subsequently fill the resin with mineral fillers. This, however, leads to changes of the product properties mentioned in this technical data sheet.

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.

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	0.5 - 1.0 Pas	0.5 - 1.0 Pas	DIN EN ISO 3219
Viscosity of mixture	0.5 - 1.0 Pas		DIN EN ISO 3219
Density	1.1 - 1.2 g/cm ³ / 20 °C	0.9 - 1.1 g/cm ³ / 20 °C	DIN 53479
Mixing rate	65 parts by weight 62 parts by volume	35 parts by weight 38 parts by volume	gravimetric volumetric
Colour of mixture	Transparent		-
Loss on drying up to 140 °C	-		-
Pot life	35 - 55 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.		

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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	- 60 - 75 35 - 55	DIN 53505 DIN 53505 DIN 53157
Temperature resistance	-25 °C to +120 °C	
Absorption of water 20 °C / 7 days 100 °C / 30 min	0.5 - 1.5 % 0.1 - 0.5 %	ISO 62
Chemical resistance	Water Detergent ATF-oil Fuel RME	epple-standard

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