

Description:

epple 07110 is a two-component, solvent-free cast resin on the basis of polyurethane. This very low-viscous material is of short pot life and cures to a soft and elastic mould. **epple 07110** provides very good adhesion to metals and various plastics.

Application:

epple 07110 is used to protect electronic components against mechanical and chemical strains. Thanks to its very low hardness, tensions by different thermal expansion coefficients are being balanced. **epple 07110** is furthermore suitable for the grouting of cable bushings and for large volumes. By the good flow behaviour, a two-stage grouting (base- and top grouting) is not necessary in most cases.

Specific properties:

epple 07110 is hydrophobic and therefore suitable for longer water impact.

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:

Tin, 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	2 – 4 Pas	0.1 – 0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	1 – 3 Pas		DIN EN ISO 3219
Density	1.3 – 1.4 g/cm ³ / 20 °C	1.2 – 1.3 g/cm ³ / 20 °C	DIN 53479
Mixing rate	86 parts by weight 85 parts by volume	14 parts by weight 15 parts by volume	gravimetric volumetric
Colour of mixture	black		-
Loss on drying up to 140 °C	0 %		
Pot life	15 – 20 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	56 – 66 84 – 94 (at -25 °C) 27 – 37 48 – 58 (at -25 °C) 15 – 35 s	DIN 53505 DIN 53505 DIN 53157
Temperature resistance (after 7 days at 20 °C)	-25 °C to +120 °C	
Absorption of water 20 °C / 7 days 100 °C / 30 min	0.1 – 0.3 % -	ISO 62
Chemical resistance (after 7 days at 20 °C)	fuel oil ATF-oil water mineral acids (up to 10 %)	epple-standard

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