

Description:

epple 07144 is a two-component, solvent-free cast resin on the basis of polyurethane. This very low-viscous material is of long pot life and cures to a soft and elastic mould. epple 07144 provides very good adhesion to metals and various plastics.

Application:

epple 07144 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 07144 is furthermore suitable for the grouting of cable bushings and for large volumes. By the good flow behavior, a two-stage grouting (base- and top grouting) is not necessary in most cases.

Specific properties:

epple 07144 is hydrophobic and therefore suitable for longer water impact.

Legal regulations:

Accordant to RoHS (2011/65/EU): 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 epple 11

Packaging:

Tins and Hobbocks

Basis / Characteristics

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

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Properties of the liquid cast resin

Property	Component A	Component B	Following to standard
Viscosity	2.0–3.0 Pas	0.1–0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	1.0–2.0 Pas		DIN EN ISO 3219
Density	1.30–1.40g/cm ³ / 20°C	1.20–1.24 g/cm ³ / 20°C	DIN 53479
Mixing rate	86 Gew. Teile	14 Gew. Teile	Gravimetrisch
Colour of mixture	schwarz		-
Pot life	35–60 min		epple-standard
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	60-70 25-35 20-30 s	DIN 53505 DIN 53505 DIN 53157
Stress/strain-behaviour Tensile strength Elongation at break	2.0-3.0 MPa 40-60 %	DI EN ISO 527
Temperature resistance	-40°C bis +120°C	-
Flammability Flammability / UL	HB	UL 94
Chemical resistance (after 7 days at 20°C, max 3 months)	Mineralöl, ATF-Öl, Wasser, Mineralsäuren (bis 10 %)	epple-standard

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