

### Description:

**epple 07134** is a two-component, solvent-free cast resin on the basis of epoxy. The medium-viscous material is of long pot life and cures despite its relatively high viscosity to a well-deaerated, tough mould. It provides medium strength, high elongation in the tensile test and in the three-point bending test, as well as high impact resistance.

### Application:

**epple 07134** is particularly suitable for components subject to high thermal load or high thermal fluctuation, e. g. for the grouting of coils on stators and rotors in servo motors or dissolvers. It is furthermore used for the mechanical protection of pressure- and temperature sensors and their electronic circuits. Thanks to its good flow behaviour, **epple 07134** is applicable to even smaller joints.

### Specific properties:

**epple 07134** can be used under even high air humidity and elevated temperatures, e. g. 95 % rel. humidity at 40 °C. The mould will not be damaged. Curing time can be influenced considerably by increasing the temperature during the curing process.

### 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:

Tin, pail, hobbock

### 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	7 – 11 Pas	6 – 8 Pas	DIN EN ISO 3219
Viscosity of mixture	17 – 27 Pas		DIN EN ISO 3219
Density	1.4 – 1.6 g/cm <sup>3</sup> / 20 °C	1.0 – 1.1 g/cm <sup>3</sup> / 20 °C	DIN 53479
Mixing rate	81 parts by weight 75 parts by volume	19 parts by weight 25 parts by volume	gravimetric volumetric
Colour of mixture	black, beige		-
Loss on drying up to 140 °C	0 %		
Pot life	100 – 140 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 before use.		

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### Properties of the cured cast resin

Property	Value	Following to standard
<b>Hardness</b> (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	>90 72 – 82 88 – 108 s	DIN 53505 DIN 53505 DIN 53157
<b>Temperature resistance</b> (after 7 days at 20 °C)	-25 °C to +160 °C	
<b>Absorption of water</b> 20 °C / 7 days 100 °C / 30 min	0.8 – 1.0 % 0.5 – 0.7 %	ISO 62
<b>Chemical resistance</b> (after 7 days at 20 °C)	water ATF-oil tenside solution RME	epple-standard

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