

DESCRIPTION

The PERMACOL 2163 A/B is a 2-component epoxy casting resin, which is transparent with light yellow. Applications in which this adhesive is used are casting electrical connections and components, as protective layer on plastics or as dip material.

This adhesive cures at room temperature, so full cure takes place at 20°C. the curing time will increase at temperatures below 20°C. The curing time will decrease for larger mass.

BENEFITS

- Low viscosity
- Transparent
- Good resistance to water, thin acids, bases and oil
- Suitable for casting electronics
- Good temperature resistance
- Gap filling
- RoHS and REACH compliant

Technical details	
Mixing ratio	A : B = 100 : 50 (weight/volume)
Pot life	ca. 30 min (100gr at 20°C)
Cure time	ca. 1.5 hr at 20°C
Final strength after	ca. 24 hr at 20°C
Viscosity mixture	400 mPa.s at 23°C
Colour	Transparent light yellow
Hardness	80 Shore D
Temperature resistance	-30°C up to +120°C
Density	1,17 g/ml
Thermal conductivity	0,2 W/m.K
Glass transition (Tg)	58°C
CTE below Tg	53 ppm/°C
CTE above Tg	186 ppm/°C

USAGE INSTRUCTIONS

Make sure the substrates are clean and free from dust, water, grease, fingerprints, oil, etc. Metals are to be sanded to remove the oxide layer before cleaning. Weigh the components according to the mixing ratio and mix until a homogeneous colour is reached. The pot life is depending on the volume that is mixed. Larger volumes have a shorter pot life and reach a higher exothermal temperature.

CLEANING

Uncured adhesive can be removed and cleaned by means of solvents as Ethanol, Acetone, Isopropanol (IPA) or MEK. Cured adhesives must be removed mechanically.

STORAGE

Store in its original packaging frost free and dry. See packaging for the expiration date. Shelf life: 12 months.

SAFETY

Use protective gloves to avoid direct contact with the skin. Check the Material Safety Data Sheet for specific safety information.

PACKAGING

The PERMACOL 2163 A/B is available in different quantities.

Legal Disclaimer

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