

DESCRIPTION

The PERMACOL 2555 is a 1-component alumina filled epoxy adhesive. This product exhibits good thermal conductivity combined with a high chemical and heat resistance. The low coefficient of thermal expansion (CTE) of this product results in high bond strength of dissimilar substrates and materials with a low CTE.

Technical details	
Chemistry	Epoxy
Colour	Beige
Viscosity	140 Pa.s
Density	2,19 g/cm ³
Working time	> 1 week
Minimum curing time	20 min @ 100°C 12 min @ 125°C 8 min @ 150 °C 6 min @ 180°C
Thermal conductivity	1,5 W/m.K
Hardness	94 shore D
Tg	135°C
CTE below Tg	35 ppm/°C
CTE above Tg	132 ppm/°C
Service temperature	-40°C to 160°C
Peak temperature	180°C

USAGE INSTRUCTIONS

Make sure the substrates are clean and dust, water, grease, fingerprint and oil free. For the best results we recommend a curing temperature of 150°C or higher. Extra curing time (up to double the minimum) will improve the performance of the adhesive. The oven time might need to be longer to allow the substrate to heat up.

BENEFITS

- Thermally conductive
- Excellent chemical resistance
- Good heat resistance
- High Tg and low CTE
- RoHS und REACH compatible

CLEANING

Uncured adhesive can be removed and cleaned using solvents like Ethanol, Acetone, Isopropanol (IPA) or MEK. Cured adhesives must be removed mechanically.

STORAGE

Store in its original packaging below 10°C. Make sure the adhesive is warmed up to room temperature before opening the package. See packaging for the expiration date. Shelf life: 9 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 2555 is available in different kinds of cartridges and jars.

Contact our technical specialists to discuss your application and find the best solution. They can also adjust our products to specifications that suit your application.

Legal Disclaimer

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