



Ceramabond 835-M

Description

Ceramabond 835-M is a 1-K high temperature adhesive based on aluminium oxide. Minimal shrinkage during curing and exceptional resistance to thermal shock, chemical reactions and moisture are the distinguishing features of this adhesive.

Ceramabond 835-M is used in the processing of quartz halogen lamps and metal sockets in high performance production. The expansion during curing is less than 1%. This keeps glass from shattering during the curing and there also occurs no outgassing.

Technical Data

Characteristics	Ceramabond 835-M
Main Components	Aluminium Oxide
Max. Temperature	+1760 °C
Viscosity	300 - 400 g/cm-s
Spec. Weight	2.35 – 2.45 g/cm ³
CTE	7.2 cm/cm/°C x 10 ⁻⁶
Dielectric Strength	6.42 KV/mm at RT
Spec. Resistivity	10 ⁹ Ohm/cm at 540 °C
Torque Strength	85417 N/mm ²
Moisture Resistance	Good
Alkali Resistance	Excellent
Acid Resistance	Good
Oxidation Resistance	Good
Shrinkage	< 1.0%

Handling

Smooth surfaces are difficult to bond, so they should be sandblasted or etched if possible. 1-K adhesives tend to settle, so they should be stirred thoroughly before use. Ceramabond 835-M can be applied with a spatula, trowel, syringe or automatic dosing device.

Apply a thin layer of adhesive to any surface. Join the parts together and wipe away any excess adhesive with a damp cloth. Fix the bonded parts with a clamp or similar tool to apply even pressure to the bond.

Hardening

- 1 - 4 Hours air cure at room temperature
- 2 Hours heat cure at 90 °C

Alle hier gemachten Angaben dienen der Information und sind keine rechtsverbindlichen Zusagen. Sie entbinden den Anwender nicht von eigenen Vorversuchen.
Wir haften nicht für Verarbeitungsergebnisse.

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