



Rev.: 04/18

Ceramacast 505

Discription

Ceramacast 505 is a ceramic-inorganic 1-component high-temperature adhesive, mixable. This adhesive has good adhesion to metals.

Ceramacast 505 is used as an end seal for thermocouples, resistor coating, as an insulating compound for heating wires, as a coating for metallic parts and for filling gaps.

Technical Data

Characteristics	Ceramacast 505
Main components	Alumina
Max. Temperature	1760 °C
Viscosity	Powder
Spec. Weight	2.5 g/cm ³
CTE	1.4 x 10 ⁻⁷ in/in/°F
Dielectric Strength	2000 V/mm
Specific Resistance	10 ⁹ Ohm /cm
Moisture Resistance	Excellent
Alkali Resistance	Good
Acid Resistance	Good
Solvent Resistance	Good
Shrinkage	< 3.0%

Handling

Stir Powder thoroughly before adding water. Add water until it is smooth and homogenous. (15-19 % water by weight, depending on use)

Pour the mixture carefully on one side of the part to be processed, to prevent air inclusions. Slight vibrations or hits can help to prevent air pockets.

Ceramacast 505 is not suitable for uses requiring a thickness of more than 7mm!

The material can be sprayed, brushed, dipped or poured.

When used as a dip-coating, Thinner 512-T can be added in a ratio (Ceramacast 505 to Thinner 512-T) of 80:20 by weight.

This results in a thixotropic dip with quick drying.

Hardening

- 1 Hour air cure at room temperature
- 3 – 4 Hours heat cure at 90 – 100 °C

The result is a white, dense coating or potting compound

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.

Rechnungsanschrift	Kunden-Center + Lieferanschrift	Telefon	Telefax	e-mail
T-E-Klebertechnik H.-P. Thiesen Vahrenwalder Str. 131 30165 Hannover	T-E-Klebertechnik Großer Kolonnenweg 3 30163 Hannover	Verkauf 0511/353982-0 Einkauf 0511/353982-11 Technik 0511/353982-31 Lohnarbeiten 0511/353982-12	0511-353982-40	infotek@t-e-klebertechnik.de
			UST-ID Nr.: DE 115640309	Internet www.t-e-klebertechnik.de

Erfüllungsort ist Sitz des Lieferanten. Die Ware bleibt bis zur restlosen Bezahlung Eigentum des Lieferanten. Es gelten unsere Geschäftsbedingungen