

Grade: ARMC-805

Manufacturer:

Aremco Products, Inc.

Description:

Thermally conductive, aluminum-filled, two-part epoxy paste. Low shrink rate and excellent mechanical strength to 570°F. All properties starting from Temperature Resistance and down to the end of the list are for cured material.

PROPERTY	US VALUE		METRIC VALUE	
Mix Ratio by Weight	100:12	resin:hardener		
Specific Gravity	1.66	gms/cc		
Mixed Viscosity	11,000	@ 25°C, cps		
Pot Life	<= 1.0	100gm @ 25°C, hours		
Recommended Cure	2/100 + 2/200	hours/°F	2/38 + 2/93	hours/°C
Alternate Cure	24-48/RT	hours/°F	24-48/RT	hours/°C
Temperature Resistance	572	°F	300	°C
CTE	25.0	in/in °F x 10 ⁻⁶	45.0	Microns/m °C
Thermal Conductivity	1.04	BTU/(h.ft ² °F/ft)	1.80	W/(m ² . K/m)
Tensile Strength	1800	psi	12.4	MPa
Flexural Strength	15500	psi	106.9	MPa
Volume Resistivity	1.0 x 10⁵	ohm-cm @ RT		
Dielectric Strength	50	volts/mil		ac-kv/mm
Chemical Resistance	Good			
Color	Grey			