

Grade: ARMC-860

Manufacturer:

Aremco Products, Inc.

Description:

Thermally conductive, aluminum nitride filled, 1:1 epoxy paste. Exceptional mechanical and thermal properties to 400°F. All properties starting from Temperature Resistance and down to the end of the list are for cured material.

PROPERTY	US VALUE		METRIC VALUE	
Filler	Aluminum-Nitride			
Mix Ratio by Weight	1:1	resin:hardener		
Specific Gravity	1.9	gms/cc		
Mixed Viscosity	Paste	@ 25°C, cps		
Pot Life	4.0	100gm @ 25°C, hours		
Recommended Cure	2/200	hours/°F	2/93	hours/°C
Alternate Cure	24-48/RT	hours/°F	24-48/RT	hours/°C
Temperature Resistance	400	°F	204	°C
CTE	18.7	in/in °F x 10 ⁻⁶	33.3	Microns/m °C
Thermal Conductivity	0.71	BTU/(h.ft ² °F/ft)	1.23	W/(m ² . K/m)
Tensile Strength	1375	psi	9.5	MPa
Volume Resistivity	1.0 x 10¹⁵	ohm-cm @ RT		
Dielectric Strength	250	volts/mil		ac-kv/mm
Chemical Resistance	Excellent			
Color	Grey			