

## Grade: ARMC-556

**Manufacturer:** Aremco Products, Inc.

**Description:** Electrically conductive, silver-filled, 1:1 epoxy paste. Good corrosion resistance and mechanical strength to 340°F. All properties starting from Temperature Resistance and down to the end of the list are for cured material.

PROPERTY	US VALUE	METRIC VALUE
<b>Filler</b>	<b>Silver</b>	
<b>Mix Ratio by Weight</b>	<b>1:1</b> resin:hardener	
<b>Specific Gravity</b>	<b>2.8</b> gms/cc	
<b>Mixed Viscosity</b>	<b>Paste</b> @ 25°C, cps	
<b>Pot Life</b>	<b>1</b> 100gm @ 25°C, hours	
<b>Recommended Cure</b>	<b>24/RT</b> hours/°F	<b>24/RT</b> hours/°C
<b>Alternate Cure</b>	<b>4/170 or 2/210</b> hours/°F	<b>4/77 or 2/99</b> hours/°C
<b>Temperature Resistance</b>	<b>340</b> °F	<b>171</b> °C
<b>CTE</b>	<b>13.9</b> in/in °F x 10 <sup>-6</sup>	<b>25.0</b> Microns/m °C
<b>Thermal Conductivity</b>	<b>5.41</b> BTU/(h.ft <sup>2</sup> °F/ft)	<b>9.37</b> W/(m <sup>2</sup> . K/m)
<b>Tensile Strength</b>	<b>1500</b> psi	<b>10.3</b> MPa
<b>Volume Resistivity</b>	<b>0.0052</b> ohm-cm @ RT	
<b>Chemical Resistance</b>	<b>Excellent</b>	
<b>Color</b>	<b>Silver</b>	