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EPOXY M5-82

High-flow, linear epoxy system that remains flexible under temperature changes.
 Designed for under-the-hood automotive applications where seal integrity is required in adverse temperature and weather conditions, including salt spray, oil, grease, and fluids.
 Holds up marginally to industrial solvent exposure.

RECOMMENDED CURE SCHEDULES FOR M5-82		
300°F (150°C) for 2 hours minimum		
350°F (175°C) for 90 minutes minimum		
<p>CURE METHOD: We recommend the use of forced convection ovens for curing our epoxy systems. When using static air ovens, recommended cure times should be doubled. Recommended cure schedules are for epoxy only. Place thermocouples throughout the oven to determine the influence of component mass on oven temperature and recovery time. Please refer to "Uni-form Epoxies Recommendations" bulletin for additional curing instructions.</p>		
SPECIFICATIONS		
ASTM D257	Volume Resistivity (ohms/inch)	1.0 x 10 ¹¹ - 10 ¹³
ASTM D570	Water Absorption (weight %)	0.50 max.
ASTM D696	Coefficient Thermal Expansion (in/in °C)	7.0 - 9.0 x10 ⁻⁵
ASTM D955	Shrinkage from Mold (inches/inch)	0.3 - 0.4 x10 ⁻²
ASTM D2240	Durometer Hardness (Shore D)	80-85
ASTM D149	Dielectric Strength (60 Hz, volts/mil)	800 min.
DSC METHOD	Thermal Conductivity (cal·cm/sec·cm ² ·°C)	3.0 - 5.0 x10 ⁻⁴

PLEASE NOTE: This information is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished up the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.