



# PRODUCT INFORMATION

High Technology Materials for Electronics and Industry

PRODUCT NUMBER: MEREKO CLN-845      DESIGNATION: THERMALLY CONDUCTIVE FLEXIBLE EPOXY

INTENDED APPLICATION: ADHESIVE

DESCRIPTIVE DATA:

	<u>RESIN PORTION</u>	<u>ACTIVATOR</u>	<u>MIXTURE</u>
FORM	PASTE	PASTE	PASTE
COLOR	GRAY	GRAY	GRAY
SP. GR.:	2.1	2.2	2.2
*VISCOSITY:	THIXOTROPIC PASTE	THIXOTROPIC PASTE	THIXOTROPIC PASTE

INSTRUCTIONS FOR USE:

MIX RATIO: (BY WEIGHT)    MIX TOGETHER    100 PARTS    ACTIVATOR AND    100 PARTS    RESIN.

POT LIFE: (100GMMASS)    (WORKING LIFE OF MIXTURE)    5 HOURS    AT    25°C

CURE TIMES:    48 HOURS AT 77°F OR 4 HOURS AT 150°F

SPECIAL INSTRUCTIONS:

CHARACTERISTICS OF CURED COMPONENTS:

	<u>TEST METHOD</u>	<u>AVERAGE VALUES**</u>	<u>PHYSICAL UNIT</u>
IMPACT RESISTANCE	IZOD		ft-lbs/in notch
EXPANSION COEFFICIENT	ASTM D 696		
THERMAL SHOCK RESIST.	MIL-I-16923C		
OPERATING TEMP. RANGE		-50 +250	°F
THERMAL CONDUCTIVITY	CENCO-FITCH	3.76	BTU·in·hr <sup>-1</sup> ·ft <sup>-2</sup> ·°F <sup>-1</sup>
HARDNESS TESTS	ASTM D 2240	90	Shore A
MOISTURE TESTS			
FLEXURAL STRENGTH	ASTM D 790		psi
COMPRESSIVE STRENGTH	ASTM D 695		psi
TENSILE STRENGTH	ASTM D 638		psi
ELONGATION			%
TENSILE LAP SHEAR (A1-A1)	ASTM D 1002	300	psi
DIELECTRIC STRENGTH	ASTM D 149		volts/mil
VOLUME RESISTIVITY	ASTM D 257	1 x 10 <sup>11</sup>	ohm-cm
DISSIPATION FACTOR	ASTM D 150		
DIELECTRIC CONSTANT	ASTM D 150	10.6	

\* Thixotropic materials list viscosity obtained by Helipath test method.

\*\* Test values are average values obtained by standard laboratory tests. These are not intended as final specification limits and are not to be used for the preparation of specifications.

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