Technical Data Bulletin No.
Mereco 2002
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PRODUCT INFORMATION

High Technology Materials for Electronics and Industry

PRODUCT NUMBER: Mereco 2002 DESIGNATION: High Temp. Clear Epoxy

INTENDED APPLICATION: LED Encapsulant

DESCRIPTIVE DATA:

	RESIN PORTION	ACTIVATOR	MIXTURE
FORM	Liquid	Liquid	Liquid
COLOR	Clear	Clear	Clear
SP. GR.:	1.1	1.09	1.17
*VISCOSITY:	4000 cps	700 cps	3800 cps

INSTRUCTIONS FOR USE:

MIX RATIO: (BY) VOL WT MIX TOGETHER 95 parts ACTIVATOR AND 100 parts RESIN.

POT LIFE: (MASS)100 g (WORKING LIFE OF MIXTURE) 8 hr AT 25°C

CURE TIMES: 1 hour at 135°C plus 4 hours at150°C

SPECIAL INSTRUCTIONS: Mix Base and Activator well before use

CHARACTERISTICS OF CURED COMPONENTS:

	TEST METHOD	AVERAGE VALUES**	PHYSICAL UNIT
IMPACT RESISTANCE	IZOD		ft-lbs/in notch
EXPANSION COEFFICIENT	ASTM D 696	68 175	µm/m°C Below Tg µm/m°C Above Tg
THERMAL SHOCK RESIST.	MIL-I-16923C		
OPERATING TEMP. RANGE			
GLASS TRANSITION TEMP		125	°C
HARDNESS TESTS	ASTM D 2240	88	Shore D
MOISTURE TESTS	100C/1 hr	0.40	Percent
FLEXURAL STRENGTH	ASTM D 790		psi
COMPRESSIVE STRENGTH	ASTM D 695		psi
TENSILE STRENGTH	ASTM D 638		psi
TENSILE LAP SHEAR (A1-A1)	ASTM D 1002	2200	psi
DIELECTRIC STRENGTH	ASTM D 149		volts/mil
VOLUME RESISTIVITY	ASTM D 257	10^{13}	ohm-cm
DISSIPATION FACTOR	ASTM D 150		
DIELECTRIC CONSTANT	ASTM D 150		

* 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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