ELECTRICAL SPECIFICATIONS

DISSIPATION FACTOR (60CPS TO 10 Kmc) : 0.03
DIELECTRIC CONSTANT (60CPS TO 10 Kmc): 4.4 TO 4.6
VOLUME RESISTIVITY: @ 70°F (21°C.) 2×10^{15} OHM-cm
300°F (149°C.) 1×10^{12} OHM-cm
DIELECTRIC STRENGTH: 400 VOLTS/MIL AT 68°F. (20°C.)

MECHANICAL SPECIFICATIONS

SPECIFIC GRAVITY: 1.45 - 1.55
VISCOSITY: 1,500 TO 2,500 CENTIPOISES AT 75°F. (24°C.)
THERMAL EXPANSION COEFFICIENT: 20-30 x 10^{-6}/°C
THERMAL CONDUCTIVITY: 1.5-2.5 BTU/FT^2/HR/°F/INCH
IZOD IMPACT: 1.0 FT. LBS./INCH OF NOTCH
WATER ABSORBTION (WEIGHT % GAIN, 24 HOURS): 0.1
MACHINABILITY: EXCELLENT
MAXIMUM CONTINUOUS TEMPERATURE: 350°F. (177°C.)
MAXIMUM INTERMITTENT TEMPERATURE: 400°F. (204°C.)
MINIMUM TEMPERATURE: -100°F. (-73°C.)
TENSILE STRENGTH: 8,000 psi
COMPRESSIVE STRENGTH: 11,900 psi
FLEXURAL STRENGTH: 15,100 psi
COLOR: REDDISH BROWN

NOTE:
1. RESIN AND CATALYST ARE MOISTURE SENSITIVE. CONTAINERS SHOULD BE CLOSED WHEN NOT IN USE. A HUMID ATMOSPHERE AND TEMPERATURES BELOW 70°F. (22°C) SHOULD BE AVOIDED WHEN CURING AT ROOM TEMPERATURE TO INSURE A TACK-FREE SURFACE
2. AVAILABLE IN 1, 5, OR 55 GALLON QUANTITIES OR MAY BE PURCHASED IN PROPORTIONAL RESIN-CATALYST PLASTIC BAG PACKAGES (50, 100, 200, 300, 400, OR 500 GRAMS).

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	GL-131
	HFA-1			

MIXING INSTRUCTIONS

1. MIX ENTIRE CONTENTS OF THE SHIPPING CONTAINER TO A UNIFORM CONSISTENCY.
2. WEIGH OUT THE DESIRED AMOUNT OF RESIN AND ADD 7 PARTS OF CATALYST, BY WEIGHT, TO EACH 100 PARTS OF RESIN. MIX THOROUGHLY.
3. POUR COMPOUND INTO FORM.
4. CURE AT THE FOLLOWING SCHEDULES:
   70°F(22°C) - 8 HOURS
   160°F(72°C) - 1 HOUR
   200°F(93°C) - 30 MINUTES
   250°F(121°C) - 15 MINUTES

TMC PART NUMBER SHALL BE IN THE FOLLOWING FORM:

GL-131 - 0
BASIC NO. COLOR (SEE CHART)

CODE	COLOR
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
9	WHITE

MFG. REF.: RESIN - STYCAST 3050, CATALYST - #9

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ±.05 .XX ± .01 .XXX ± .005 TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE C

S401-229

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			CAMARDA/DEWEY	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COMPOUND, POTTING

G.D.L	2/12/64	R. D. C.
DRAWN	CHECKED	FINAL APPROVAL
2/12/64		GL-131
ELEC. DES. APP.	MECH. DES. APP.	

TMC FORM 108-A

STOCK NO. 440H