STANDARD DRAWING

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	GL-113

PROPERTIES OF THE CURED RESIN

PHYSICAL

SPECIFIC GRAVITY	.095
TENSILE STRENGTH, PSI	5,100
FLEXURAL " , "	6,900
COMPRESSIVE " , "	7,800
MODULUS OF ELASTICITY, PSI	2.7×10^5
IZOD IMPACT (FT. LBS/IN OF NOTCH)	3
SHORE A DUROMETER	80
WATER ABSORPTION (% GAIN AT 25°C IN 24 HRS)	0.5

TEMP. RANGE -70°C TO +125°C
COLOR- WHITE, OPAQUE
MACHINABILITY - GOOD.

ELECTRICAL

FREQUENCY	60 TO 10^{10} CPS
DIELECTRIC CONSTANT	2.32
DISSIPATION FACTOR	BELOW .0006
DIELECTRIC STRENGTH (VOLTS/MIL)	450
VOLUME RESISTIVITY (OHM-CM^3)	ABOVE 10^{13}

GENERAL PROCEDURE FOR USE

1- WEIGHT OUT REQUIRED AMOUNT (KEEP ALL MATERIALS DRY.)
2- ADD 1% BY WEIGHT OF CATALYST #10. MIX THOROUGHLY. THE CATALYZED RESIN WILL HAVE A "POT LIFE" OF AT LEAST ONE WEEK AT ROOM TEMP.
3- POUR. (BE SURE WINDINGS ARE THOROUGHLY DRY BEFORE POURING)
4- CURE AT 50°C OVERNIGHT. FOLLOW BY FOUR HOURS AT 80°C.

REF: EMERSON & CUMING INC.
STYLECAST TPM-2
AND CATALYST NO. 10

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

DEC. DIM. ±
FRAC. DIM. ±
ANGULAR DIM. ±

SCALE:

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COMPOUND, RESIN

DRAWN	CHECKED	FINAL APPROVAL
CDD. 1/13/56	JAH	ARB

ELEC. DES. APP.	MECH. DES. APP.	
RB	WC	GL-113

FORM - 108 - A