STANDARD DRAWING

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	GL-112

SPECIFICATIONS

COLOR	DK. BROWN
SOLIDS, %, MINIMUM	50
SPECIFIC GRAVITY AT 25°C	1.00 - 1.03
VISCOSITY AT 25° C, CENTIPOISES	100 - 200
FLASH POINT	70 - 90
DRYING TIME, MAX. HRS. AT 200° C	3
WEIGHT LOSS, 3 HRS. AT 250° C, %	5
SOLVENT	XYLENE

TYPICAL PROPERTIES OF CURED 997 VARNISH FILMS

HEAT ENDURANCE AT 250° C	
FLEX LIFE, HOURS, MINIMUM	250
CRAZE " , " , "	1000
DIELECTRIC STRENGTH	
2 INCH ELECTRODES	1000 - 2000
POWER FACTOR AT 25° C	
10^2 CYCLES	0.006
10^5 CYCLES	0.007
DIELECTRIC CONSTANT AT 25°C	
10^2 CYCLES	3.06
10^5 CYCLES	2.98
THERMAL LIFE* HOURS	
AT 300° C	200
AT 275° C	600
AT 250° C	2000

*HOURS AGEING NECCESSARY TO REDUCE THE DIELECTRIC STRENGTH OF GLASS CLOTH IMPREGNATED WITH 997 TO 50% OF ITS INITIAL VALUE.

REF: DOW-CORNING CORP. #997

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

VARNISH, 997

DRAWN	CHECKED	FINAL APPROVAL
CDD 1/5/56		
ELEC. DES. APP.	MECH. DES. APP.	GL-112
2B		

FORM - 108 - A