

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
			Ø	ORIGINAL RELEASE FOR PRODUCTION	2/27/67	Ø	Ø		

SPECIFICATIONS

SPECIFIC GRAVITY (ASTM D 1810): 2.30 MIN

THERMAL CONDUCTIVITY (ASTM D 1674): 0.0005 CAL/SEC/CM²/°C/CM MIN

WATER ABSORPTION (ASTM D 570): 0.1% MAX

BLEED (MIL-S-8660 @ 24 HOURS @ 200°C): 1.5% MAX

DIELECTRIC STRENGTH (ASTM D 150): 10 MIL THICKNESS 500 V/MIL MIN
50 MIL THICKNESS 225 V/MIL MIN

DIELECTRIC CONSTANT (ASTM D 150 @ 1Kc): 4.5 MAX

DISSIPATION FACTOR (ASTM D 150): 400 CPS 0.0005 MAX
1.0 Kc 0.005 MAX
100 Kc 0.005 MAX

VOLUME RESISTIVITY (ASTM D 257): 10¹² OHM-CM MIN

ARC RESISTANCE (ASTM D 495): 30 SECONDS MIN

COLOR: WHITE, OPAQUE

APPEARANCE: SHALL BE HOMOGENEOUS & FREE FROM LUMPS & COARSE PARTICLES. THERE SHALL BE NO SEPARATION OF FILLER WHICH CANNOT BE READILY DISPERSED.

HEAT RESISTANCE: WILL NOT DRY OUT, HARDEN, OR MELT AT 200°C.

SHELF LIFE: INDEFINITE AT 80°F

COEFFICIENT OF THERMAL EXPANSION: 0.00096 IN/IN/°C

CONSISTANCY, WORKED (ASTM D 217): 250-340

THERMAL RESISTANCE STABILITY: +20% MAX AFTER 100 DAYS, THEREAFTER NO CHANGE

REFERENCE: BUWEPs #64A5A75

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.		
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS 1/64 ANGLES 0° - 30'	LIST OF MATERIAL						
S401-446 (120)		FINAL APP. <i>[Signature]</i>	DATE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK COMPOUND, SILICONE, HEAT SINK				
		MECH. DES.	DATE					
S401-40 (641)		ELECT. DES. <i>[Signature]</i>	DATE					
		CHECKED <i>[Signature]</i>	DATE					
S401-408 (XL500)		DRAWN <i>[Signature]</i>	DATE					
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					SCALE		SHEET	OF