

REQ. PER UNIT	MODEL	ASSY. NO.	DATE
H	H	H	10-1-63
USED ON			GL-130

**SPECIFICATIONS**

1. TENSILE STRENGTH: 6500-8000 PSI
2. MODULUS OF ELASTICITY: 4-5 X 10<sup>5</sup> PSI
3. HARDNESS: 70-80 (ROCKWELL "M" SCALE)
4. FLEXURAL STRENGTH: 9,000-13,000 PSI
5. THERMAL EXPANSION: 6-8 X 10<sup>5</sup> IN/IN/°C.
6. MAXIMUM TEMPERATURE: 150°C.
7. SPECIFIC GRAVITY: 1.04-1.06
8. MOISTURE ABSORPTION: .03-.04%
9. BURNING RATE (.05" THICK): 1-1.5 SECONDS
10. DISSIPATION FACTOR: .0001-.0005
11. DIELECTRIC CONSTANT: 2.52-2.65
12. DIELECTRIC STRENGTH: > 500 VOLTS/MIL
13. VOLUME RESISTIVITY: 10<sup>18</sup>-19ΩCM
14. ELONGATION OF FAILURE: 1.8-2.4%
15. DEFLECTION AT BREAK: 0.15-0.35 INCHES

<b>STANDARD DRAWING</b>									
GELLMAN		DESCRIPTION		SYMBOL					
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK							
		CEMENT, Q-DOPE							
C. K. Ludwig		10/1/63		B.P.					
DRAWN		CHECKED		FINAL APPROVAL					
TYPE & TEMPER		HEAT TREAT. SPEC.							
MATERIAL		PART NO.							
FINISH & SPEC. NO.		STOCK SIZE							
S401-219(57-04W)		CHECKER		ENG. APP.					
DATE		CH. NO.		DRAFTS					
SCALE		CHECKER		ENG. APP.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DATE		CH. NO.					
DECIMALS		SCALE		DRAFTS					
.X ±.05		CODE		CHECKER					
.XX ±.01		FRACTIONS		ENG. APP.					
.XXX ±.005		± 1/64		ENG. APP.					
TOLERANCES		ANGLES,		MECH. DES. APP.					
		± 0° 30'		MECH. DES. APP.					
				GL-130					