



METCAR® GRADE M-106
CG + Resin
Average Physical Characteristics

Property	Unit	Value
APPARENT DENSITY	gms/cc	1.85
HARDNESS	SHORE SCLEROSCOPE	95
TRANSVERSE STRENGTH	PSI	12,500
COMPRESSIVE STRENGTH	PSI	41,000
TENSILE STRENGTH	PSI	8,500
MODULUS OF ELASTICITY	PSI x 10 ⁶	3.3
COEFFICIENT OF THERMAL EXPANSION	in/in/°F/10 ⁻⁶	3.2
TEMPERATURE LIMIT IN OXIDIZING ATMOSPHERE	°F	500
TEMPERATURE LIMIT IN NON-OXIDIZING ATMOSPHERE	°F	500
THERMAL CONDUCTIVITY	W/m-K	6
AVAILABLE POROSITY	Vol. %	0

The physical characteristics of METCAR® Grades vary slightly due to part size and configuration.

Therefore, the above values should be considered only as typical.

Rev. B - 11/6/20