



METCAR® GRADE M-400
CG + Resin
Average Physical Characteristics

Property	Unit	Value
APPARENT DENSITY	gms/cc	1.85
HARDNESS	SHORE SCLEROSCOPE	85
TRANSVERSE STRENGTH	PSI	9,500
COMPRESSIVE STRENGTH	PSI	30,000
TENSILE STRENGTH	PSI	6,500
MODULUS OF ELASTICITY	PSI x 10 ⁶	3.2
COEFFICIENT OF THERMAL EXPANSION	in/in/°F/10 ⁻⁶	2.9
TEMPERATURE LIMIT IN OXIDIZING ATMOSPHERE	°F	500
TEMPERATURE LIMIT IN NON-OXIDIZING ATMOSPHERE	°F	500
THERMAL CONDUCTIVITY	Btu/hr/ft ² /°F/ft	8
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. A