



METCAR® GRADE M-444
CG + Antimony
Average Physical Characteristics

Property	Unit	Value
APPARENT DENSITY	gms/cc	2.30
HARDNESS	SHORE SCLEROSCOPE	90
TRANSVERSE STRENGTH	PSI	12,000
COMPRESSIVE STRENGTH	PSI	40,000
TENSILE STRENGTH	PSI	9,000
MODULUS OF ELASTICITY	PSI x 10 ⁶	4.2
COEFFICIENT OF THERMAL EXPANSION	in/in/°F/10 ⁻⁶	2.3
TEMPERATURE LIMIT IN OXIDIZING ATMOSPHERE	°F	700
TEMPERATURE LIMIT IN NON-OXIDIZING ATMOSPHERE	°F	1,100
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.

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