



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

Property	Unit	Value
APPARENT DENSITY	gms/cc	2.30
HARDNESS	SHORE SCLEROSCOPE	95
TRANSVERSE STRENGTH	PSI	15,000
COMPRESSIVE STRENGTH	PSI	45,000
TENSILE STRENGTH	PSI	10,000
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	W/m-K	8

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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