



METCAR® GRADE M-10 CG Average Physical Characteristics

Property	Unit	Value
APPARENT DENSITY	gms/cc	1.70
HARDNESS	SHORE SCLEROSCOPE	85
TRANSVERSE STRENGTH	PSI	9,000
COMPRESSIVE STRENGTH	PSI	30,000
TENSILE STRENGTH	PSI	6,000
MODULUS OF ELASTICITY	PSI x 10 ⁻⁶	2.5
COEFFICIENT OF THERMAL EXPANSION	in/in/°F/10 ⁻⁶	2.1
TEMPERATURE LIMIT IN OXIDIZING ATMOSPHERE	°F	700
TEMPERATURE LIMIT IN NON-OXIDIZING ATMOSPHERE	°F	1,700
THERMAL CONDUCTIVITY	W/m-K	6

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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