

Meldin® 7211 ISOSTATICALLY MOLDED

The following table is a list of typical physical property values for Meldin® 7211 Isostatically Molded

Properties	ASTM	Units [Metric]	Value [Metric]
GENERAL			
Specific Gravity	D792	—	1.55
Hardness Rockwell E	D785	—	23
Water Absorption, 24 Hours	D570	%	0.17
MECHANICAL			
Tensile Strength	D638	psi [MPa]	6,800 [46.9]
Elongation	D638	%	3.5
Flexural Strength	D790	psi [MPa]	11,300 [77.9]
Flexural Modulus	D790	psi x 10 ⁵ [GPa]	4.9 [3.4]
Compressive Stress			
@ 1% Strain	D695	psi [MPa]	3,300 [22.7]
@ 10% Strain	D695	psi [MPa]	15,500 [106.9]
@ 0.1% Offset Yield	D695	psi [MPa]	5,300 [36.5]
Compressive Modulus	D695	psi x 10 ⁵ [GPa]	3.34 [2.3]
THERMAL			
Coefficient of Thermal Expansion 75 – 500 °F [24 – 260 °C]	E831	in/in/°F x 10 ⁻⁵ [m/m/°C]	2.8 [5.0]



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SPECIFICATION QUALIFICATION

ASTM D 6456-99 Standard Specification for Finished Parts Made from Polyimide Resin (Type II Class 3M)

SAE AMS 3644G Polyimide, Molded Rod, Bar and Tube, Plaque, and Formed Parts (Class 4 Form M)

MIL-R-46198 Resin, Polyimide, Hot Pressed or Pressed and Sintered (Type II Class 3M)

NOTE: The data listed here falls within the normal range of properties but should not be used to establish specification limits nor used alone as the basis of design. Saint-Gobain Performance Plastics assumes no obligation or liability for any advice furnished by it or for results obtained with respect to the products.