Meldin® 7022 ISOSTATICALLY MOLDED

The following table is a list of typical physical property values for Meldin® 7022 Isostatically Molded

Properties	ASTM	Units [Metric]	Value [Metric]
GENERAL			
Specific Gravity	D792	—	1.67
Hardness Rockwell E	D785	—	24
Water Absorption, 24 Hours	D570	%	0.17
MECHANICAL			
Tensile Strength	D638	psi [MPa]	7,500 [51.7]
Elongation	D638	%	3.2
Flexural Strength	D790	psi [MPa]	13,100 [90.3]
Flexural Modulus	D790	psi x 10^5 [GPa]	6.4 [4.4]
Compressive Stress			
@ 1% Strain	D695	psi [MPa]	4,000 [27.6]
@ 10% Strain	D695	psi [MPa]	16,000 [110.3]
@ 0.1% Offset	D695	psi [MPa]	6,000 [41.4]
Compressive Modulus	D695	psi x 10^5 [GPa]	4.09 [2.8]
THERMAL			
Coefficient of Thermal Expansion 75 – 500 ºF [24 – 260 ºC]	E831	in/in/°F x 10^{-5} [m/m/ºC]	2.23 [4.0]

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SPECIFICATION QUALIFICATION

ASTM D 6456-99 Standard Specification for Finished Parts Made from Polyimide Resin (Type II Class 2M)

SAE AMS 3644G Polyimide, Molded Rod, Bar and Tube, Plaque, and Formed Parts (Class 3 Form M)

MIL-R-46198 Resin, Polyimide, Hot Pressed or Pressed and Sintered (Type II Class 2M)

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.

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