

Meldin[®] 7003 COMPRESSION MOLDED

The following table is a list of typical physical property values for Meldin[®] 7003 Compression Molded

Properties	ASTM	Units [Metric]	Value [Metric]
GENERAL			
Specific Gravity	D792	—	1.61
MECHANICAL			
Tensile Strength	D638	psi [MPa]	9,200 [63]
Elongation	D638	%	5.5
Flexural Strength	D790	psi [MPa]	13,000 [89.6]
Flexural Modulus	D790	psi x 10 ⁵ [GPa]	4.6 [3.2]
Compressive Stress @ 1% strain	D695	psi [MPa]	3,700 [26]
Compressive Stress @ 10% strain	D695	psi [MPa]	17,000 [117]
Compressive Modulus	D695	psi x 10 ⁵ [GPa]	3.6 [2.5]

SPECIFICATION QUALIFICATION

ASTM D 6456-99 Standard Specification for Finished Parts Made from Polyimide Resin (Type III)

SAE AMS 3644G Polyimide, Molded Rod, Bar and Tube, Plaque, and Formed Parts (Class 5 Form P)

MIL-R-46198 Resin, Polyimide, Hot Pressed or Pressed and Sintered (Type III)

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.

Features / Benefits

- Good for wear applications that operate in a vacuum or in very dry conditions.

Working Temperature Range

- -112 °F to + 600 °F
[- 80 °C to + 315 °C]

Color

- Black

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SGPPL.BR.TDS.009.2006