

Meldin[®] 7003 DIRECT FORMED

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

Properties	ASTM	Units [Metric]	Value [Metric]
GENERAL			
Specific Gravity	D792	—	1.5
MECHANICAL			
Tensile Strength	D638	psi [MPa]	9,500 [66]
Elongation	D638	%	6.0
Flexural Strength	D790	psi [MPa]	12,000 [82.7]
Flexural Modulus	D790	psi x 10 ⁵ [GPa]	4.3 [3.0]
Compressive Stress @ 1% strain	D695	psi [MPa]	2,850 [20]
Compressive Stress @ 10% strain	D695	psi [MPa]	14,200 [98]
Compressive Modulus	D695	psi x 10 ⁵ [GPa]	2.7 [1.9]

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 D)

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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Saint-Gobain Performance Plastics Corporation

Bristol, RI 02809 USA
Tel: (401) 253-2000
Fax: (401) 253-8211

Saint-Gobain Performance Plastics N.V.

B-2550 Kontich – Belgium
Phone : +32 3 458 28 28
Fax : +32 3 458 26 69

Saint-Gobain KK Performance Plastics

Tokyo 102-0083, Japan
Phone : +81 33 26 30 285
Fax : +81 33 26 30 286

www.plastics.saint-gobain.com

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