

## Saint-Gobain Meldin® 7022 Isostatically Molded Graphite Filled Polyimide

Category : Polymer , Thermoset , Polyimide, TS

### Material Notes:

Finished parts and basic shapes made from 40% by weight graphite filled polyimide material for applications requiring a low coefficient of thermal expansion, self lubricating properties, and good dimensional stability and elevated temperatures. Applications include: aerospace sealing rings and other components, valve components, and glass handling components. Specification Qualifications: 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).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Saint-Gobain-Meldin-7022-Isostatically-Molded-Graphite-Filled-Polyimide.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Meldin-7022-Isostatically-Molded-Graphite-Filled-Polyimide.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	ASTM D792
Water Absorption	0.17 %	0.17 %	24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	24	24	ASTM D785
Tensile Strength, Ultimate	51.7 MPa	7500 psi	ASTM D638
Elongation at Break	3.2 %	3.2 %	ASTM D638
Flexural Strength	90.3 MPa	13100 psi	ASTM D790
Flexural Modulus	4.40 GPa	638 ksi	ASTM D790
Compressive Strength	27.6 MPa	4000 psi	1% strain; ASTM D695
	41.4 MPa	6000 psi	0.1 % Offset; ASTM D695
	110 MPa	16000 psi	10% strain; ASTM D695
Compressive Modulus	2.82 GPa	409 ksi	ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	4.01 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	2.23 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E831
	@Temperature 23.9 - 260 $\text{Å}^\circ\text{C}$	@Temperature 75.0 - 500 $\text{Å}^\circ\text{F}$	

## Contact Songhan Plastic Technology Co.,Ltd.

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