

Saint-Gobain Meldin® 7211 Isostatically Molded Graphite and PTFE Filled Polyimide

Category : Polymer , Thermoset , Polyimide, TS

Material Notes:

Finished parts and basic shapes made from 10% by weight PTFE and 15% by weight graphite filled polyimide material for applications requiring a very low coefficient of friction and self-lubricating properties. Applications include: aerospace bearings and bushings, surgical instrument components. Specification Qualifications: 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).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Meldin-7211-Isostatically-Molded-Graphite-and-PTFE-Filled-Polyimide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792
Water Absorption	0.17 %	0.17 %	24 hrs

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	23	23	ASTM D785
Tensile Strength, Ultimate	46.9 MPa	6800 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	77.9 MPa	11300 psi	ASTM D790
Flexural Modulus	3.40 GPa	493 ksi	ASTM D790
Compressive Strength	22.8 MPa	3300 psi	1% strain; ASTM D695
	36.5 MPa	5300 psi	0.1 % Offset; ASTM D695
	107 MPa	15500 psi	10% strain; ASTM D695
Compressive Modulus	2.30 GPa	334 ksi	ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	5.04 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 23.9 - 260 $\text{Å}^\circ\text{C}$	2.80 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 75.0 - 500 $\text{Å}^\circ\text{F}$	ASTM E831

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China