

Saint-Gobain Meldin® 7001 Isostatically Molded Polyimide

Category : Polymer , Thermoset , Polyimide, TS

Material Notes:

Finished parts and basic shapes made from unfilled polyimide material for structural applications requiring high electrical insulative properties, high purity and low outgassing, and high temperature resistance. Applications include: plasma cutting torch components, plasma etch equipment clamp rings, aerospace components, semiconductor equipment components. Specification Qualifications: ASTM D 6456-99 Standard Specification for Finished Parts Made from Polyimide Resin (Type 1M). SAE AMS 3644G Polyimide, Molded Rod, Bar and Tube, Plaque, and Formed Parts (Class 1 Form M). MIL-R-46198 Resin, Polyimide, Hot Pressed or Pressed and Sintered (Type 1M).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Meldin-7001-Isostatically-Molded-Polyimide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Water Absorption	0.23 %	0.23 %	24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	64	64	ASTM D785
Tensile Strength, Ultimate	86.0 MPa	12500 psi	ASTM D638
	37.0 MPa	5370 psi	ASTM D638
	@Temperature 260 Â°C	@Temperature 500 Â°F	
Elongation at Break	7.5 %	7.5 %	ASTM D638
	4.5 %	4.5 %	ASTM D638
	@Temperature 260 Â°C	@Temperature 500 Â°F	
Flexural Strength	105 MPa	15200 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Compressive Strength	22.8 MPa	3300 psi	1% strain; ASTM D695
	124 MPa	18000 psi	10% strain; ASTM D695
Compressive Modulus	2.00 GPa	290 ksi	ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	4.86 Âµm/m-Â°C	2.70 Âµin/in-Â°F	ASTM E831
	@Temperature 22.8 -	@Temperature 73.0 -	

Thermal Properties	260 Å°C Metric	500 Å°F English	Comments
Electrical Properties	Metric	English	Comments
Dielectric Strength	17.7 kV/mm	450 kV/in	ASTM D149

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