

## Saint-Gobain Meldin<sup>®</sup> 1380 Thermoplastic Bearing Material

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

**Material Notes:**

Specify Meldin 1380 for use with soft mating surfaces that gall easily, such as stainless steel or aluminum. Meldin 1380 also complies with the FDA Title 21 CFR regulations for contact with articles intended for repeated use in contact with food. Meldin<sup>®</sup> 1000 series components are used in appliance applications due to their superior wear life and ability to operate without the need for any oils or lubricants. For scroll tip seal applications, Meldin<sup>®</sup> 1000 series materials provide some parts with superior wear resistance properties, and superior deformation properties over those of standard PTFE scroll tip seals. In vehicle systems such as transmission bearings or thrust washers, as well as fuel pump bearings, Meldin<sup>®</sup> 1000 series materials provide performance superior to metallic components. The Meldin 1000 series materials' wear resistance, coupled with their excellent chemical resistance, make them ideal materials for vehicle system components.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Saint-Gobain-Meldin-1380-Thermoplastic-Bearing-Material.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Meldin-1380-Thermoplastic-Bearing-Material.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D795
Water Absorption	0.20 %	0.20 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength	46.8 MPa	6790 psi	ASTM D 638
Elongation at Break	6.5 %	6.5 %	ASTM D 638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D 638
Flexural Strength	65.5 MPa	9500 psi	ASTM D 790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D 790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	84.0 Å°C	183 Å°F	ASTM D648

## 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