

Saint-Gobain Meldin[®] 3140 Thermoplastic Bearing Material

Category : Polymer , Thermoplastic

Material Notes:

Meldin 3140 is an ideal thrust washer material and is well suited for thrust washer applications. Its high strength and stiffness, combined with its excellent heat dissipation properties, make it an excellent choice for high pressure loading applications. Meldin[®] 3100 materials have excellent mechanical properties, in tension and compression, and maintain an impressive level of these attributes as operating temperatures increase. These properties add extreme strength and rigidity to component parts, even in narrow cross-sections.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Meldin-3140-Thermoplastic-Bearing-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	103.05 MPa	14946 psi	ASTM D638
Elongation at Yield	6.6 %	6.6 %	ASTM D638
Tensile Modulus	3.91 GPa	567 ksi	ASTM D 638
Flexural Strength	157 MPa	22800 psi	ASTM D790
Flexural Modulus	15.91 GPa	2308 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	221 Â°C	430 Â°F	ASTM D648
Glass Transition Temp, Tg	233 Â°C	451 Â°F	

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