

Saint-Gobain Meldin[®] 3120 Thermoplastic Bearing Material

Category : Polymer , Thermoplastic

Material Notes:

3120 is a multi-purpose, wear-resistant material is suitable for bearing, thrust washer, and piston ring applications. It also has a low coefficient of thermal expansion. 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-3120-Thermoplastic-Bearing-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	50.7 MPa	7350 psi	ASTM D638
Elongation at Yield	6.3 %	6.3 %	ASTM D638
Tensile Modulus	1.27 GPa	184 ksi	ASTM D 638
Flexural Strength	69.6 MPa	10100 psi	ASTM D790
Flexural Modulus	3.74 GPa	542 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	217 Â°C	423 Â°F	ASTM D648
Glass Transition Temp, Tg	233 Â°C	451 Â°F	

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