

Saint-Gobain Meldin® 3130 Thermoplastic Bearing Material

Category : Polymer , Thermoplastic

Material Notes:

Meldin 3130 components provide good strength and stiffness in addition to excellent high velocity performance. This formulation can be used with both hard or soft mating surfaces. 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-3130-Thermoplastic-Bearing-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	133.59 MPa	19376 psi	ASTM D638
Elongation at Yield	5.2 %	5.2 %	ASTM D638
Tensile Modulus	3.83 GPa	556 ksi	ASTM D 638
Flexural Strength	222.5 MPa	32270 psi	ASTM D790
Flexural Modulus	18.52 GPa	2686 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	216 Â°C	421 Â°F	ASTM D648
Glass Transition Temp, Tg	233 Â°C	451 Â°F	

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