

Eurostar Star L POM D84 POM, Injection Molded

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Star L POM D84 is a PTFE/Proprietary Additive Lubricated, POM Copolymer Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Star-L-POM-D84-POM-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.024 - 0.027 cm/cm @Thickness 4.00 mm	0.024 - 0.027 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	ISO 527
Elongation at Break	19 %	19 %	ISO 527
Flexural Strength	62.0 MPa	8990 psi	ISO 178
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m ²	2.14 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Melting Point	170.1 °C	338.2 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	147 °C	297 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Be

Processing Properties	Metric	English	Comments
Zone 1	180 - 190 °C	356 - 374 °F	
Zone 2	180 - 190 °C	356 - 374 °F	
Zone 3	180 - 200 °C	356 - 392 °F	
Melt Temperature	180 - 200 °C	356 - 392 °F	
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	

Processing Properties	Metric	English	Comments
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