

Lucent Polymers POM-100 Acetal Copolymer, General Purpose, Injection Grade

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

Material Notes:

Add "U" for UV Stabilized Information provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-POM-100-Acetal-Copolymer-General-Purpose-Injection-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.022 cm/cm @Thickness 3.17 mm	0.022 in/in @Thickness 0.125 in	1/8" Section
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	9.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.69 MPa	8802 psi	ASTM D638
Elongation at Break	>= 30 %	>= 30 %	ASTM D638
Flexural Strength	89.66 MPa	13000 psi	ASTM D790
Flexural Modulus	2.414 GPa	350.1 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	1.30 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 Â°C	320 - 329 Â°F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	132.22 Â°C	270.00 Â°F	ASTM D648

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