

BLUESTAR BS090 Acetal Copolymer

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

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_BLUESTAR-BS090-Acetal-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183
Linear Mold Shrinkage, Flow	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	Horizontal
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ISO 2039-2
Tensile Strength at Break	62.0 MPa	8990 psi	ISO 527-1/2
Elongation at Break	42 %	42 %	ISO 527-1/2
Tensile Modulus	2.45 GPa	355 ksi	ISO 527-1/2
Flexural Strength	87.0 MPa	12600 psi	ISO 178
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear	120 µm/m-°C	66.7 µin/in-°F	ISO 11359
Melting Point	165 °C	329 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ISO 75

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