

Polykemi AB POLYform POM C M90 LE Polyoxymethylene, Low Emission

Category : Polymer , Thermoplastic

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYform-POM-C-M90-LE-Polyoxymethylene-Low-Emission.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.018 - 0.020 cm/cm	0.018 - 0.020 in/in	With Flow; ISO 2577
	0.018 - 0.020 cm/cm	0.018 - 0.020 in/in	Across Flow; ISO 2577
Melt Index of Compound	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 65.0 MPa	<= 9430 psi	ISO/R527
Elongation at Yield	9.0 %	9.0 %	ISO/R527
Flexural Strength	<= 95.0 MPa	<= 13800 psi	ISO 178
Flexural Modulus	2.60 GPa @Temperature 23.0 °C	377 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	120°C/h; ISO 75/1
Vicat Softening Point	151 °C @Load 5.001 kg	304 °F @Load 11.03 lb	50°C/h; ISO 306

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