

Polykemi AB POLYform POM C M90 Polyoxymethylene

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-Polyoxymethylene.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	9.0 g/10 min	9.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

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	377 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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	304 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	

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