

## Polykemi AB POLYform POM C M90 GF10 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-GF10-Polyoxymethylene.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYform-POM-C-M90-GF10-Polyoxymethylene.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	ISO 1183
Filler Content	10 %	10 %	±2%; Polykemi
Linear Mold Shrinkage	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	With Flow; ISO 2577
	0.0090 - 0.014 cm/cm	0.0090 - 0.014 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	<= 70.0 MPa	<= 10200 psi	ISO/R527
Elongation at Break	7.0 %	7.0 %	ISO/R527
Flexural Strength	<= 105 MPa	<= 15200 psi	ISO 178
Flexural Modulus	4.00 GPa	580 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	155 °C	311 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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