

## Polykemi AB POLYform POM C M140 TF2 Polyoxymethylene, Modified

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-M140-TF2-Polyoxymethylene-Modified.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYform-POM-C-M140-TF2-Polyoxymethylene-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	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	14 g/10 min	14 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	<= 60.0 MPa	<= 8700 psi	ISO/R527
Elongation at Yield	10 %	10 %	ISO/R527
Flexural Strength	<= 80.0 MPa	<= 11600 psi	ISO 178
Flexural Modulus	2.40 GPa	348 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 -20.0 °C	@Temperature -4.00 °F	
	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	120°C/h; ISO 75/1
Vicat Softening Point	150 °C	302 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	

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