

Polykemi AB POLYform POM C M270 UV 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-M270-UV-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	27 g/10 min @Load 2.16 kg, Temperature 190 °C	27 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	97 @Time 15.0 sec	97 @Time 0.00417 hour	D2240
Hardness, Shore D	78 @Time 15.0 sec	78 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	<= 60.0 MPa	<= 8700 psi	ISO/R527
Elongation at Yield	10 %	10 %	ISO/R527
Flexural Strength	<= 85.0 MPa	<= 12300 psi	ISO 178
Flexural Modulus	2.70 GPa @Temperature 23.0 °C	392 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	ISO 179
Charpy Impact, Notched	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
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	152 °C @Load 5.001 kg	306 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	550 °C @Thickness 3.20 mm	1020 °F @Thickness 0.126 in	IEC 695-2-1

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China