

Micropol Isoplas P381 Crosslinkable Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Information provided by Micropol Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Micropol-Isoplas-P381-Crosslinkable-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in ³	ASTM D792
Melt Flow	1.75 g/10 min @Load 2.16 kg, Temperature 190 °C	1.75 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Break	250 %	250 %	
Modulus of Elasticity	1.10 GPa @Temperature 20.0 °C	160 ksi @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.90 J/g-°C	0.454 BTU/lb-°F	
Thermal Conductivity	0.431 W/m-K	2.99 BTU-in/hr-ft ² - °F	
Vicat Softening Point	126 °C	259 °F	ASTM D1525

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