

Micropol Isoplas P471 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-P471-Crosslinkable-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	ASTM D792
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Break	200 %	200 %	
Modulus of Elasticity	0.780 GPa @Temperature 20.0 °C	113 ksi @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	130 Åµm/m-°C @Temperature 20.0 °C	72.2 Åµin/in-°F @Temperature 68.0 °F	ASTM D696
Specific Heat Capacity	2.00 J/g-°C	0.478 BTU/lb-°F	
Thermal Conductivity	0.431 W/m-K	2.99 BTU-in/hr-ftÅ²- °F	
Vicat Softening Point	120 °C	248 °F	ASTM D1525

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