

A. Schulman LP481 Molding Grade High-Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Description LP 481 is a molding grade high-density polyethylene. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-LP481-Molding-Grade-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 g/cc	0.953 g/cc	ASTM D792
ESCR 100% Igepal®	1.0 hour	1.0 hour	Condition B; ASTM D1693
Melt Index of Compound	20 g/10 min	20 g/10 min	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.4 MPa	3400 psi	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus	0.634 GPa	92.0 ksi	1% secant; ASTM D790
Falling Dart Impact	176 J @Temperature -40.0 °C	130 ft-lb @Temperature -40.0 °F	F50; ASTM D3056

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-100 °C	-148 °F	ASTM D746

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