

A. Schulman POLYFLAM™ E-15937B High Strength Impact Modified Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Description Polyfort® E-15937B is a high strength impact modified polypropylene. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFLAM-E-15937B-High-Strength-Impact-Modified-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	3.0 - 11 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 - 11 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	23 %	23 %	ASTM D638
Flexural Strength	48.0 MPa	6960 psi	ASTM D790
Flexural Modulus	2.892 GPa	419.5 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.29 J/cm	9.91 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 °C	234 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ASTM D648
DSC Induction Temperature	165 °C	329 °F	at 10aC/min; ASTM D3418

Descriptive Properties	Value	Comments
Flammability	SE	FMVSS 302
Surface Resistivity	89	R-Scale (ASTM D785)

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