

A. Schulman POLYFLAM™ E-14526-31 30% Glass Reinforced Chemically Coupled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

Description Polyfort® E-14526-31 is a 30% glass reinforced chemically coupled polypropylene black. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFLAM-E-14526-31-30-Glass-Reinforced-Chemically-Coupled-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Melt Flow	0.70 - 2.0 g/10 min	0.70 - 2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength at Break	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	106 MPa	15400 psi	1.3 mm/min; ASTM D790
Flexural Modulus	4.486 GPa	650.6 ksi	ASTM D790
Izod Impact, Notched	1.98 J/cm	3.71 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.94 J/cm	13.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	153 °C	307 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	139 °C	282 °F	ASTM D648

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