

A. Schulman POLYFORT™ FPP 1182E Talc Filled, Extrusion Grade Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

Description Polyfort® FPP 1182E is a 20% talc-filled, extrusion grade copolymer polypropylene. It had a good balance of flexural modulus, low temperature impact, and appearance properties. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-1182E-Talc-Filled-Extrusion-Grade-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	0.90 g/10 min @Temperature 230 °C	0.90 g/10 min @Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength at Break	18.0 MPa	2610 psi	ISO 527
Tensile Strength, Yield	27.6 MPa	4000 psi	2 in/min; ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790
Izod Impact, Notched	3.20 J/cm	6.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	-22°F; ASTM D256
Gardner Impact	14.47 J	10.67 ft-lb	ASTM D3029
	43.4 J @Temperature -28.9 °C	32.0 ft-lb @Temperature -20.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75
	62.8 °C	145 °F	ASTM D648

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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