

A. Schulman POLYFORT™ FTP 3130H-01/FTP 3130HU-Colors

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Description Polyfort® FTP 3130H-01 (non-UV stabilized) and FTP 3130HU-Colors (UV-stabilized) are high flow injection molding polyolefin alloys which exhibit an exceptional stiffness-impact balance and high heat resistance. These grades are available in improved scratch/mar resistant versions. **Application** These grades are suitable for automotive interior applications. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FTP-3130H-01FTP-3130HU-Colors.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Index of Compound	25 g/10 min	25 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	50 mm/min, type I bar; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	50 mm/min, type I bar; ASTM D638
Elongation at Yield	10 %	10 %	50 mm/min, type I bar; ASTM D638
Flexural Modulus	0.690 GPa	100 ksi	70°C, 1.3 mm/min, 50 mm span, method 1, tangent; ASTM D790
	2.10 GPa	305 ksi	1.3 mm/min, 50 mm span, method 1, tangent; ASTM D790
	4.30 GPa @Temperature -30.0 °C	624 ksi @Temperature -22.0 °F	1.3 mm/min, 50 mm span, method 1, tangent; ASTM D790
Izod Impact, Notched	3.20 J/cm	5.99 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ASTM D648

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