

A. Schulman POLYFORT™ FPP 1310 Coupled Mica Filled Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Description Polyfort® FPP 1310 is a Coupled Mica filled homopolymer polypropylene compound for injection molding. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-1310-Coupled-Mica-Filled-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	62.0 MPa	8990 psi	ASTM D790
Flexural Modulus	3.31 GPa	480 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ASTM D648
UL RTI, Electrical	120 °C	248 °F	UL 746
	@Thickness 0.780 mm	@Thickness 0.0307 in	
	120 °C	248 °F	
UL RTI, Mechanical with Impact	120 °C	248 °F	UL 746
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	120 °C	248 °F	
UL RTI, Mechanical with Impact	115 °C	239 °F	UL 746
	@Thickness 0.780 mm	@Thickness 0.0307 in	
	115 °C	239 °F	

Thermal Properties	Metric	English	UL 746 Comments
	115 °C @Thickness 1.57 mm	239 °F @Thickness 0.0618 in	UL 746
	@Thickness 3.17 mm	@Thickness 0.125 in	
UL RTI, Mechanical without Impact	115 °C @Thickness 0.780 - 1.57 mm	239 °F @Thickness 0.0307 - 0.0618 in	UL 746
	120 °C @Thickness 3.17 mm	248 °F @Thickness 0.125 in	UL 746
Flammability, UL94	HB @Thickness 0.780 mm	HB @Thickness 0.0307 in	
	HB @Thickness 1.57 mm	HB @Thickness 0.0618 in	
	HB @Thickness 3.17 mm	HB @Thickness 0.125 in	

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