

Polyplastic Armlen® PP GF 30-1EX Polypropylene Copolymer, 30% Glass Fiber

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

Material Notes:

Information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-GF-30-1EX-Polypropylene-Copolymer-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ISO 294-4
Melt Flow	0.50 - 1.0 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 - 1.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	64.0 MPa	9280 psi	ISO 5272
Elongation at Break	7.4 %	7.4 %	ISO 527
Flexural Modulus	5.30 GPa	769 ksi	ISO 178
Charpy Impact Unnotched	5.50 J/cm ² @Temperature -40.0 °C	26.2 ft-lb/in ² @Temperature -40.0 °F	ISO 179/1eU
	7.00 J/cm ² @Temperature 20.0 °C	33.3 ft-lb/in ² @Temperature 68.0 °F	ISO 179/1eU
Charpy Impact, Notched	0.900 J/cm ² @Temperature -40.0 °C	4.28 ft-lb/in ² @Temperature -40.0 °F	ISO 179/1eA
	2.10 J/cm ² @Temperature 20.0 °C	9.99 ft-lb/in ² @Temperature 68.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear	26.0 µm/m-°C	14.4 µin/in-°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ISO 75

Processing Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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