

Polyplastic Armlen® PP GF MF 30-1 Polypropylene, 30% Glass and Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass/Mineral Reinforced

Material Notes:

Injection molding information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-GF-MF-30-1-Polypropylene-30-Glass-and-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0070 - 0.0080 cm/cm	0.0070 - 0.0080 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0070 - 0.0080 cm/cm	0.0070 - 0.0080 in/in	ISO 294-4
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 230 °C	3.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Ash	30 %	30 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	69.0 MPa	10000 psi	ISO 527
Flexural Strength	85.0 MPa	12300 psi	ISO 178
Flexural Modulus	3.64 GPa	528 ksi	ISO 178
Charpy Impact Unnotched	4.10 J/cm ² @Temperature 23.0 °C	19.5 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cm ² @Temperature 23.0 °C	5.71 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	156 °C	313 °F	ISO 75B

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 240 °C	446 - 464 °F	
Mold Temperature	60.0 °C	140 °F	

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