

Polyplastic Armlen® PP-10IM-901 Polypropylene, Mineral Filled

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

Material Notes:

Information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-10IM-901-Polypropylene-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	ISO 1183
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 230 °C	22 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	ISO 527
Elongation at Break	200 %	200 %	ISO 527
Elongation at Yield	5.7 %	5.7 %	ISO 527
Flexural Modulus	1.55 GPa	225 ksi	ISO 178
Izod Impact, Notched (ISO)	6.70 kJ/m ² @Temperature -20.0 °C	3.19 ft-lb/in ² @Temperature -4.00 °F	ISO 180/1eA
	40.0 kJ/m ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1eA

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 240 °C	446 - 464 °F	
Mold Temperature	60.0 °C	140 °F	
Drying Temperature	80.0 °C @Time 7200 sec	176 °F @Time 2.00 hour	

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