

Polyplastic Armlen® PP MF 20-3-901 Polypropylene, 20% Mineral Filled

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

Material Notes:

Heat stabilized, low emission, black color
Information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-MF-20-3-901-Polypropylene-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-2
Tensile Modulus	2.70 GPa	392 ksi	ISO 527-2
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	ISO 180/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ISO 75A
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75A

Processing Properties	Metric	English	Comments
Melt Temperature	235 °C	455 °F	
Mold Temperature	60.0 °C	140 °F	

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