

Polyplastic Armlen® PP MF 20-2HS-901 Polypropylene, 20% Mineral Filled

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

Material Notes:

Heat stabilized, black colored, HVAC applications Information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-MF-20-2HS-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	0.011 cm/cm	0.011 in/in	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527-2
Flexural Modulus	2.35 GPa	341 ksi	ISO 178
Izod Impact, Notched (ISO)	3.40 kJ/m ²	1.62 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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