

Polyplastic Armlen® PP MF 15-3 FR Polypropylene Homopolymer, Mineral Filled

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

Material Notes:

Flame retardant, RoHS compliant Information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-MF-15-3-FR-Polypropylene-Homopolymer-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ISO 294
Linear Mold Shrinkage, Transverse	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527
Elongation at Break	25 %	25 %	ISO 527
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Charpy Impact Unnotched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/1eU
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	6.20 J/cm ²	29.5 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 °C	225 °F	ISO 75
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	960 °C	1760 °F	IEC 60695-2-1
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 V	500 V	IEC 60112

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

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