

## Polyplastic Armlen® PP-2FR Polypropylene, Flame Retardant

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

### 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-2FR-Polypropylene-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-2FR-Polypropylene-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	ISO 527
Elongation at Break	43 %	43 %	ISO 527
Flexural Strength	30.0 MPa	4350 psi	ISO 178
Flexural Modulus	1.60 GPa	232 ksi	ISO 178
Charpy Impact Unnotched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	7.00 J/cm <sup>2</sup>	33.3 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2	V-2	
	@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	550 V	550 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	220 °C	428 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	80.0 °C	176 °F	
	@Time 7200 sec	@Time 2.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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