

IRPC Polimaxx Porene GA850 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: injection molding housing of electrical appliances such as electric fans, telephones, calculators and toys

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-GA850-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Melt Flow	20 g/10 min @Load 10.0 kg, Temperature 220 Å°C	20 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118 @Thickness 6.35 mm, Temperature 23.0 Å°C	118 @Thickness 0.250 in, Temperature 73.4 Å°F	ASTM D785
Tensile Strength, Ultimate	52.0 MPa @Temperature 23.0 Å°C	7540 psi @Temperature 73.4 Å°F	ASTM D638
Flexural Yield Strength	70.6 MPa @Temperature 23.0 Å°C	10200 psi @Temperature 73.4 Å°F	ASTM D790
Flexural Modulus	2.35 GPa @Temperature 23.0 Å°C	341 ksi @Temperature 73.4 Å°F	ASTM D790
Izod Impact, Notched	2.65 J/cm @Thickness 6.35 mm, Temperature 23.0 Å°C	4.96 ft-lb/in @Thickness 0.250 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 Å°C @Thickness 6.35 mm	205 Å°F @Thickness 0.250 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.0 Å°C @Thickness 6.35 mm	189 Å°F @Thickness 0.250 in	ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Thermal Properties	^{HB} Metric	^{HB} English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 240 Å°C	374 - 464 Å°F	
Drying Temperature	80.0 - 90.0 Å°C @Time 7200 - 18000 sec	176 - 194 Å°F @Time 2.00 - 5.00 hour	

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