

IRPC Polimaxx Porene SP100 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: injection molding helmets automotive

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-SP100-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Melt Flow	18 g/10 min @Load 10.0 kg, Temperature 220 Å°C	18 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110 @Thickness 6.35 mm, Temperature 23.0 Å°C	110 @Thickness 0.250 in, Temperature 73.4 Å°F	ASTM D785
Tensile Strength, Ultimate	44.1 MPa @Temperature 23.0 Å°C	6400 psi @Temperature 73.4 Å°F	ASTM D638
Flexural Yield Strength	63.7 MPa @Temperature 23.0 Å°C	9250 psi @Temperature 73.4 Å°F	ASTM D790
Flexural Modulus	2.16 GPa @Temperature 23.0 Å°C	313 ksi @Temperature 73.4 Å°F	ASTM D790
Izod Impact, Notched	3.33 J/cm @Thickness 6.35 mm, Temperature 23.0 Å°C	6.25 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)	90.0 Å°C @Thickness 6.35 mm	194 Å°F @Thickness 0.250 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	84.0 Å°C @Thickness 6.35 mm	183 Å°F @Thickness 0.250 in	ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

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