

IRPC Polimaxx Porene AN520 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: injection molding electrical appliances such as microwaves, computers, tv, switch boxes, switch panels, etc. automotive components

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-AN520-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 200 °C	6.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107 @Thickness 6.35 mm, Temperature 23.0 °C	107 @Thickness 0.250 in, Temperature 73.4 °F	ASTM D785
Tensile Strength, Ultimate	42.2 MPa @Temperature 23.0 °C	6120 psi @Temperature 73.4 °F	ASTM D638
Flexural Yield Strength	56.4 MPa @Temperature 23.0 °C	8180 psi @Temperature 73.4 °F	ASTM D790
Flexural Modulus	2.14 GPa @Temperature 23.0 °C	310 ksi @Temperature 73.4 °F	ASTM D790
Izod Impact, Notched	0.883 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.65 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 °C @Thickness 6.35 mm	180 °F @Thickness 0.250 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C @Thickness 6.35 mm	167 °F @Thickness 0.250 in	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0	V-0	

Thermal Properties	Metric @ Thickness 3.00 mm	English @ Thickness 0.118 in	Comments
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