

IRPC Polimaxx Porene AN450 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: injection molding electric/electronic housing for microwave oven, tv, vcr, computer, etc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-AN450-Acrylonitrile-Butadiene-Styrene.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
	@Thickness 6.35 mm, Temperature 23.0 Å°C	@Thickness 0.250 in, Temperature 73.4 Å°F	
Tensile Strength, Ultimate	42.2 MPa	6120 psi	ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Flexural Yield Strength	59.8 MPa	8680 psi	ASTM D790
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Flexural Modulus	2.16 GPa	313 ksi	ASTM D790
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Notched	1.67 J/cm	3.12 ft-lb/in	ASTM D256
	@Thickness 6.35 mm, Temperature 23.0 Å°C	@Thickness 0.250 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	84.0 Å°C	183 Å°F	ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Å°C	167 Å°F	ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	

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