

IRPC Polimaxx Porene SR101 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: extrusion sheet refrigerator door liners and inner box liners picnic coolers snow boats luggage cases

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-SR101-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Melt Flow	7.0 g/10 min	7.0 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Å°C	@Load 22.0 lb, Temperature 428 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	43.1 MPa	6260 psi	ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Flexural Yield Strength	59.3 MPa	8610 psi	ASTM D790
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Flexural Modulus	2.01 GPa	292 ksi	ASTM D790
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Notched	2.94 J/cm	5.51 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)	92.0 Å°C	198 Å°F	ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Å°C	185 Å°F	ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 3.12 mm	@Thickness 0.123 in	

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 240 Å°C	356 - 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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