

## IRPC Polimaxx Porene AN510 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-AN510-Acrylonitrile-Butadiene-Styrene.php](http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-AN510-Acrylonitrile-Butadiene-Styrene.php)

Physical Properties	Metric	English	Comments
Melt Flow	5.0 g/10 min @Load 5.00 kg, Temperature 200 Å°C	5.0 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108 @Thickness 6.35 mm, Temperature 23.0 Å°C	108 @Thickness 0.250 in, Temperature 73.4 Å°F	ASTM D785
Tensile Strength, Ultimate	48.1 MPa @Temperature 23.0 Å°C	6970 psi @Temperature 73.4 Å°F	ASTM D638
Flexural Yield Strength	64.7 MPa @Temperature 23.0 Å°C	9390 psi @Temperature 73.4 Å°F	ASTM D790
Flexural Modulus	2.21 GPa @Temperature 23.0 Å°C	320 ksi @Temperature 73.4 Å°F	ASTM D790
Izod Impact, Notched	0.981 J/cm @Thickness 6.35 mm, Temperature 23.0 Å°C	1.84 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)	84.0 Å°C @Thickness 6.35 mm	183 Å°F @Thickness 0.250 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	79.0 Å°C @Thickness 6.35 mm	174 Å°F @Thickness 0.250 in	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Thermal Properties	Metric	English	Comments
	@Thickness 3.10 mm	@Thickness 0.122 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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