

IRPC Polimaxx Porene AP102 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Applications: automotive components radiator grills name plates knobstv components cosmetic components electronic household appliances
ectespecially suited for electroplating and painting articles

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http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Porene-AP102-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Melt Flow	21 g/10 min	21 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Â°C	@Load 22.0 lb, Temperature 428 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
	@Thickness 6.35 mm, Temperature 23.0 Â°C	@Thickness 0.250 in, Temperature 73.4 Â°F	
Tensile Strength, Ultimate	42.7 MPa	6190 psi	ASTM D638
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Flexural Yield Strength	60.8 MPa	8820 psi	ASTM D790
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Flexural Modulus	2.30 GPa	334 ksi	ASTM D790
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Izod Impact, Notched	2.45 J/cm	4.59 ft-lb/in	ASTM D256
	@Thickness 6.35 mm, Temperature 23.0 Â°C	@Thickness 0.250 in, Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 Â°C	205 Â°F	ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Deflection Temperature at 1.8 MPa (264 psi)	88.0 Â°C	190 Â°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	Metric	English	Comments
	@Thickness 3.10 mm	@Thickness 0.122 in	

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 260 Â°C	374 - 500 Â°F	
Drying Temperature	80.0 - 90.0 Â°C @Time 7200 - 18000 sec	176 - 194 Â°F @Time 2.00 - 5.00 hour	

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