

IRPC Polimaxx Polene GP110 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

APPLICATIONS: EXTRUSION SHEET, HOUSEHOLD PRODUCTS VACUUM SHEET , FOOD PACKAGING, TOY, SANITARY WARE, etc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-GP110-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	1.7 g/10 min	1.7 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ASTM D785
	@Thickness 6.35 mm, Temperature 23.0 Â°C	@Thickness 0.250 in, Temperature 73.4 Â°F	
Tensile Strength, Yield	52.4 MPa	7600 psi	ASTM D638
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Flexural Yield Strength	99.93 MPa	14490 psi	ASTM D790
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Flexural Modulus	3.24 GPa	469 ksi	ASTM D790
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.0 Â°C	208 Â°F	ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Vicat Softening Point	107 Â°C	225 Â°F	ASTM D1525
	@Load 1.00 kg, Thickness 3.17 mm	@Load 2.20 lb, Thickness 0.125 in	
Flammability, UL94	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 240 Â°C	374 - 464 Â°F	extrusion

Processing Properties	Metric440 Å°C	English34 Å°F	Comments
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