

IRPC Polimaxx Polene GA3750 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

CHARACTERISTICS: GOOD EXTRUDABILITY, HIGH IMPACT STRENGTH
 APPLICATIONS: BLOW FILM EXTRUSION FOR SHOPPING BAGS,
 GROCERY BAGS

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-GA3750-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	Condition B, F50; ASTM D1693
Melt Flow	0.050 g/10 min	0.050 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 Â°C	@Load 4.76 lb, Temperature 374 Â°F	
	0.25 g/10 min	0.25 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 190 Â°C	@Load 11.0 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	DIN 53505
Tensile Strength at Break	40.5 MPa	5870 psi	ASTM D638
Tensile Strength, Yield	27.5 MPa	3990 psi	ASTM D638
Elongation at Break	1700 %	1700 %	ASTM D638
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	DIN 53453

Thermal Properties	Metric	English	Comments
Vicat Softening Point	125 Â°C	257 Â°F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 210 Â°C	356 - 410 Â°F	

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