

IRPC Polimaxx Polene BM3245 PC High Density Polyethylene

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

Material Notes:

CHARACTERISTICS:GOOD EXTRUDABILITYHIGH PRESSURE PIPE FOLLOW-UP MINIMUM REQUIRED STRENGTH OF 10.0 MPa (DESIGN STRESS OF 8.0 MPa) CLASSIFICATION PE100BLACK COLOR COMPOUNDAPPLICATIONS:PIPE EXTRUSIONSUITABLE FOR WATER SUPPLY PIPE, PRESSURE PIPE, DRAINAGE AND SEWAGE PIPE

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-BM3245-PC-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	Condition B, F50; ASTM D1693
Carbon Black Loading	2.5 %	2.5 %	ASTM D1603
Melt Flow	0.12 g/10 min	0.12 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	0.55 g/10 min	0.55 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	DIN 53505
Tensile Strength at Break	36.5 MPa	5290 psi	ASTM D638
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Break	1700 %	1700 %	ASTM D638
Charpy Impact, Notched	1.15 J/cm ²	5.47 ft-lb/in ²	DIN 53453

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 220 °C	374 - 428 °F	

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