

## IRPC Polimaxx Polene AM3245 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,CONDUIT PIPE AND SUBMARINE PIPE

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IRPC-Polimaxx-Polene-AM3245-PC-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-AM3245-PC-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in <sup>3</sup>	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	0.050 g/10 min	0.050 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	0.25 g/10 min	0.25 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	38.0 MPa	5510 psi	ASTM D638
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	1600 %	1600 %	ASTM D638
Charpy Impact, Notched	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	DIN 53453

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

## Contact Songhan Plastic Technology Co.,Ltd.

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