

IRPC Polimaxx Polene GA2850 High Density Polyethylene

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

Material Notes:

CHARACTERISTICS: HIGH MOLECULAR WEIGH FOR BLOW MOLDING GRADE, RIGID, STACKABLE AND HIGHLY SHOCK RESISTANT
 CONTAINERS, EXCELLENT IMPACT STRENGTH APPLICATIONS: BLOW MOLDING FOR L-RING DRUMS (200 LITRES), OPEN TOP DRUMS
 (120 LITRES) PACKAGINGS ALL TYPE OF HAZADOUS MATERIALS

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-GA2850-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	165 hour	165 hour	Condition B, F50; ASTM D1693
Melt Flow	0.080 g/10 min	0.080 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 190 Â°C	@Load 11.0 lb, Temperature 374 Â°F	
	1.8 g/10 min	1.8 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 Â°C	@Load 47.6 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	DIN 53505
Tensile Strength at Break	50.0 MPa	7250 psi	ASTM D638
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	1750 %	1750 %	ASTM D638
Charpy Impact, Notched	NB	NB	DIN 53453

Thermal Properties	Metric	English	Comments
Vicat Softening Point	130 Â°C	266 Â°F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 250 Â°C	338 - 482 Â°F	

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