

IRPC Polimaxx Polene G2855 High Density Polyethylene

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

Material Notes:

CHARACTERISTICS:GOOD IMPACT STRENGTH, MEDUIM STIFFNESSGOOD PROCESSABILITYAPPLICATIONS:BLOW MOLDINGFOR CONTAINERS FROM A FEW ml TO ABOUT 20 LITRES, LUBRICANT BOTTLES,COSMETIC BOTTLES, CHEMICAL CONTAINERS, ONE-WAY BOTTLES, TOYS

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-G2855-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	60 hour	60 hour	Condition B, F50; ASTM D1693
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	1.5 g/10 min	1.5 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	65	65	DIN 53505
Tensile Strength at Break	33.0 MPa	4790 psi	ASTM D638
Tensile Strength, Yield	29.5 MPa	4280 psi	ASTM D638
Elongation at Break	2000 %	2000 %	ASTM D638
Charpy Impact, Notched	0.750 J/cm ²	3.57 ft-lb/in ²	DIN 53453

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

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 200 °C	338 - 392 °F	

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