

IRPC Polimaxx Polene G2865 High Density Polyethylene

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

Material Notes:

CHARACTERISTICS: HIGH STIFFNESS, GOOD IMPACT STRENGTH, GOOD PROCESSABILITY
 APPLICATIONS: BLOW MOLDING FOR CONTAINERS FROM A FEW ml TO ABOUT 20 LITRES, DIARY PRODUCT BOTTLES, FRUIT JUICE BOTTLES, ONE-WAY BOTTLES

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-G2865-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	45 hour	45 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	67	67	DIN 53505
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Break	1950 %	1950 %	ASTM D638
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	DIN 53453

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ASTM D1525

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

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