

Plastics Group Polifil® RP-HDPE High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Polifil® RP-High Density Polyethylene is a moderate stiffness material that retains excellent toughness. HDPE exhibits outstanding chemical resistance and environmental stress crack resistance. Injection molding applications range from small containers and lids to large crates and bins. Low melt flow versions are used for blow molded bottles for milk, cosmetics, and chemicals, and in extruded items such as pipes and profiles. High molecular weight (HMW) grades are increasingly used for high strength blown films, and large blow molded items such as drums, water tanks, and toys. Information provided by The Plastics Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-RP-HDPE-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D792
Water Absorption	0.00 %	0.00 %	24 hours; ASTM D570
Melt Flow	4.0 - 9.0 g/10 min	4.0 - 9.0 g/10 min	190/2.16; May be specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	65.6 °C	150 °F	ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China