

Iran Petrochemical (PCC) 60507 High Density Polyethylene

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

Material Notes:

60507 is a HDPE injection molding grade which combines good flowability with balanced physical properties. This resin is well suited for general purpose applications requiring high stiffness. Application: crates, injection molding. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-60507-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	ASTM D1505
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 190 °C	7.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.0 MPa	1890 psi	ASTM D638
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Flexural Modulus	1.50 GPa	218 ksi	ASTM D790
Izod Impact, Notched	0.360 J/cm	0.674 ft-lb/in	ASTM D256/A

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

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