

Iran Petrochemical (PCC) 52511 High Density Polyethylene

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

Material Notes:

52511 is a HDPE copolymer injection molding grade for applications requiring a good balance between physical properties and flowability, like housewares and toys. Application: houseware, injection molding grade. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-52511-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 190 °C	11 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Flexural Modulus	1.32 GPa	191 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256/A

Thermal Properties	Metric	English	Comments
Vicat Softening Point	122 °C	252 °F	ASTM D1525

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