

Iran Petrochemical (PCC) 6070EA High Density Polyethylene

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

Material Notes:

HD6070EA is a high density polyethylene with a narrow molecular weight distribution. It is suitable for a wide range of injection molding applications. This grade has following characteristics: easy processing, high rigidity, good impact strength, and high warpage resistance. Applications: crates, boxes, seats Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-6070EA-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D1505
Melt Flow	7.2 g/10 min @Load 2.16 kg, Temperature 190 °C	7.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	>= 900 %	>= 900 %	ASTM D638
Flexural Modulus	1.30 GPa	189 ksi	ASTM D790
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.480 W/m-K	3.33 BTU-in/hr-ft ² - °F	ASTM D177
Vicat Softening Point	120 °C	248 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	132 °C	270 °F	

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