

Iran Petrochemical (PCC) I2 HB 7250 High Density Polyethylene

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

Material Notes:

I2 (HB 7250) is a high density polyethylene with Propylene as comonomer. It is easy flowing, low warpage, less hard and stiff than I1. Applications: household articles, closures/seals, packaging. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-I2-HB-7250-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	1.0 hour @Pressure 2.50 MPa	1.0 hour @Pressure 363 psi	ISO CD 16770
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 Â°C	10 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ISO 1133
	28 g/10 min @Load 5.00 kg, Temperature 190 Â°C	28 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527
Elongation at Break	>= 1000 %	>= 1000 %	ISO 527
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	64.0 Â°C	147 Â°F	ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	136 Â°C	277 Â°F	
	200 - 280 Â°C	392 - 536 Â°F	

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