

## Iran Petrochemical (PCC) I3 HC 7260(THE) High Density Polyethylene

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

### Material Notes:

I3 (HC 7260) is a high density polyethylene with propylene as comonomer. The product has good impact strength, good stress cracking resistance, low warping and good flow ability as well as high density, hardness and stiffness. Applications: transport and stacking crates, bottle crates, engineering parts, closures. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Iran-Petrochemical-PCC-I3-HC-7260THE-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-I3-HC-7260THE-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.957 g/cc	0.0346 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	1.5 hour @Pressure 2.50 MPa	1.5 hour @Pressure 363 psi	ISO CD 16770
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	8.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ISO 1133
	23 g/10 min @Load 5.00 kg, Temperature 190 Â°C	23 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527
Tensile Strength, Yield	29.0 MPa	4210 psi	ISO 527
Elongation at Break	>= 1000 %	>= 1000 %	ISO 527
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	72.0 Â°C	162 Â°F	ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	138 Â°C	280 Â°F	
	200 - 280 Â°C	392 - 536 Â°F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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