

## Iran Petrochemical (PCC) HB5020 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

### Material Notes:

HB-5020 is a high molecular weight high density polyethylene. Applications: extrusion blow molding Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Iran-Petrochemical-PCC-HB5020-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-HB5020-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Melt Flow	0.22 g/10 min	0.22 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 Å°C	@Load 4.76 lb, Temperature 374 Å°F	
	1.0 g/10 min	1.0 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 Å°C	@Load 11.0 lb, Temperature 374 Å°F	
	20 g/10 min	20 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 Å°C	@Load 47.6 lb, Temperature 374 Å°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-1
Elongation at Yield	9.0 %	9.0 %	ISO 527-1
Tensile Modulus	1.00 GPa	145 ksi	ISO 527-1
Tensile Impact Strength	100 kJ/mÅ²	47.6 ft-lb/inÅ²	ISO 8256
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	78.0 Å°C	172 Å°F	ISO 306
Heat Distortion Temperature	43.0 Å°C	109 Å°F	ISO 57B-1
	@Pressure 1.80 MPa	@Pressure 261 psi	
	75.0 Å°C	167 Å°F	ISO 75A-1
	@Pressure 0.450 MPa	@Pressure 65.3 psi	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	131 A°C Metric	268 A°F English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China