

Iran Petrochemical (PCC) HB5510 High Density Polyethylene

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

Material Notes:

HB-5510 is a high molecular weight high density polyethylene. Applications: extrusion large blow moldings, jerry cans, film and blown bags. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-HB5510-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ISO 1183
Melt Flow	0.40 g/10 min	0.40 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	10 g/10 min	10 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527-1
Elongation at Yield	8.0 %	8.0 %	ISO 527-1
Tensile Modulus	1.10 GPa	160 ksi	ISO 527-1
Tensile Impact Strength	135 kJ/m ²	64.2 ft-lb/in ²	ISO 8256
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	74.0 °C	165 °F	ISO 75A-1

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