

Iran Petrochemical (PCC) HB0035 High Density Polyethylene

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

Material Notes:

HB0035 is a high molecular weight high density polyethylene blow molding grade combining blow molding extrusion behavior and superior mechanical properties. Blow molded items made from HB 0035 exhibit high impact strength and good stress cracking resistance and high stiffness. Applications: small blow molding, bottles, containers (up to 5 L) Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-HB0035-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	ASTM D1505
Volatiles	<= 0.050 %	<= 0.050 %	ASTM D1960
Environmental Stress Crack Resistance	15 hour	15 hour	ASTM D1693
Melt Flow	0.35 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.35 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238
Ash	<= 0.060 %	<= 0.060 %	ASTM D1063

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 900 %	>= 900 %	ISO 527
Izod Impact, Notched	0.250 J/cm	0.468 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 Â°C	259 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Yellow Index	<= -5.00 %	<= -5.00 %	ASTM D1925

Processing Properties	Metric	English	Comments
Melt Temperature	130 Â°C	266 Â°F	

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