

Iran Petrochemical (PCC) BL 3VD HH 4765 High Density Polyethylene

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

Material Notes:

BL3VD is a high density polyethylene with 1-Butene as co monomer. It is very high density and stiffness, good ESCR, high flowability and impact strength. Applications: small blow molding, bottles, containers (up to 10 L).Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-BL-3VD-HH-4765-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	3.0 hour @Pressure 3.50 MPa	3.0 hour @Pressure 508 psi	ISO CD 16770
Melt Flow	1.5 g/10 min @Load 5.00 kg, Temperature 190 Â°C	1.5 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133
	2.7 g/10 min @Load 21.6 kg, Temperature 190 Â°C	2.7 g/10 min @Load 47.6 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ISO 868
Tensile Stress	32.0 MPa	4640 psi	at Break; ISO 527
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527
Elongation at Break	>= 600 %	>= 600 %	ISO 527
Elongation at Yield	10 %	10 %	ISO 527
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Softening Point	80.0 Â°C	176 Â°F	ISO 306
Brittleness Temperature	>= -80.0 Â°C	>= -112 Â°F	ASTM D746-72

Descriptive Properties	Value	Comments
Swell Ratio, %	>115	

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