

Iran Petrochemical (PCC) MF3820 High Density Polyethylene

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

Material Notes:

MF-3820 is a high molecular weight high density polyethylene. Application: bottle extrusion. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-MF3820-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ISO 1183
Melt Flow	20 g/10 min @Load 21.6 kg, Temperature 190 °C	20 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527-1
Elongation at Yield	10 %	10 %	ISO 527-1
Tensile Modulus	0.650 GPa	94.3 ksi	ISO 527-1
Tensile Impact Strength	200 kJ/m ² @Temperature -30.0 °C	95.2 ft-lb/in ² @Temperature -22.0 °F	ISO 8256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	62.0 °C	144 °F	ISO 306
Heat Distortion Temperature	38.0 °C @Pressure 1.80 MPa	100 °F @Pressure 261 psi	ISO 57B-1
	61.0 °C @Pressure 0.450 MPa	142 °F @Pressure 65.3 psi	ISO 75A-1

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