

Iran Petrochemical (PCC) MF3313 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Extruded , High Density Polyethylene (HDPE), Film Grade

Material Notes:

MF3313 is a high molecular weight high density polyethylene . Applications: extrusion, film, blown, bags, and density modifies. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-MF3313-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.933 g/cc	0.0337 lb/in ³	ISO 1183
Melt Flow	0.10 g/10 min	0.10 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 Â°C	@Load 4.76 lb, Temperature 374 Â°F	
	12.5 g/10 min	12.5 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 Â°C	@Load 47.6 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	600 %	600 %	ISO 527-1
Film Elongation at Break, TD	600 %	600 %	ISO 527-1
Tensile Modulus	0.620 GPa	89.9 ksi	ISO 527-1
Elmendorf Tear Strength MD	33.6 g	33.6 g	ISO 6383-2
Elmendorf Tear Strength TD	204 g	204 g	ISO 6383-2
Film Tensile Strength at Break, MD	<= 55.0 MPa	<= 7980 psi	ISO 527-1.3
Film Tensile Strength at Break, TD	<= 43.0 MPa	<= 6240 psi	ISO 527-1.3

Thermal Properties	Metric	English	Comments
Vicat Softening Point	116 Â°C	241 Â°F	ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	124 Â°C	255 Â°F	

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