

Iran Petrochemical (PCC) MF3713 High Density Polyethylene

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

Material Notes:

MF3713 is a high molecular weight high density polyethylene. Applications: bags, products for use in property modification. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-MF3713-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 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 °C	@Load 4.76 lb, Temperature 374 °F	
	13 g/10 min	13 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 %	550 %	ISO 527-1
Film Elongation at Break, TD	650 %	650 %	ISO 527-1
Tensile Modulus	0.735 GPa	107 ksi	ISO 527-1
Elmendorf Tear Strength MD	21.4 g	21.4 g	ISO 6383-2
Elmendorf Tear Strength TD	112 g	112 g	ISO 6383-2
Film Tensile Strength at Break, MD	<= 46.0 MPa	<= 6670 psi	ISO 527-1.3
Film Tensile Strength at Break, TD	<= 46.0 MPa	<= 6670 psi	ISO 527-1.3

Thermal Properties	Metric	English	Comments
Vicat Softening Point	121 °C	250 °F	ISO 306

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