

Iran Petrochemical (PCC) LH0030 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

LH0030 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties. Applications: general packaging applications, particularly those requiring a measure of shrink. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-LH0030-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ISO 1183
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 Â°C	@Load 4.76 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ISO 527
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ISO 527
Elongation at Break	200 %	200 %	ISO 527, MD
	500 %	500 %	ISO 527, TD
Modulus of Elasticity	0.190 GPa	27.6 ksi	TD; ISO 527
	0.190 GPa	27.6 ksi	MD; ISO 527
Tensile Impact	300 J/cm	562 ft-lb/in	ASTM D4272
Coefficient of Friction	1.0	1.0	ASTM D1894
Tear Strength	30.0 kN/m	171 pli	TD; ISO 6383-2
	30.0 kN/m	171 pli	MD; ISO 6383-2

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D1003A
Gloss	45 %	45 %	ASTM D2457

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