

Iran Petrochemical (PCC) LT0470/KJ Low Density Polyethylene

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

Material Notes:

LT0470/KJ is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties. Application: stiffer thin films for textile packaging. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-LT0470KJ-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ISO 1183
Melt Flow	4.7 g/10 min @Load 2.16 kg, Temperature 190 °C	4.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ISO 527
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ISO 527
Elongation at Break	100 %	100 %	ISO 527, MD
	500 %	500 %	ISO 527, TD
Modulus of Elasticity	0.250 GPa	36.3 ksi	MD; ISO 527
Tensile Impact	130 J/cm	244 ft-lb/in	ASTM D4272
Coefficient of Friction	0.20	0.20	ASTM D1894
Tear Strength	30.0 kN/m	171 pli	TD; ISO 6383-2
	90.0 kN/m	514 pli	MD; ISO 6383-2

Optical Properties	Metric	English	Comments
Haze	12.5 %	12.5 %	ASTM D1003A
Gloss	50 %	50 %	ASTM D2457

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