

Iran Petrochemical (PCC) LS0085 Low Density Polyethylene

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

Material Notes:

LS0085 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties. Application: thin shrink film. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-LS0085-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ISO 1183
Melt Flow	0.85 g/10 min @Load 2.16 kg, Temperature 190 °C	0.85 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

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	0.170 GPa	24.7 ksi	TD; ISO 527
	0.170 GPa	24.7 ksi	MD; ISO 527
Tensile Impact	250 J/cm	468 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
	40.0 kN/m	228 pli	MD; ISO 6383-2

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM D1003A
Gloss	55 %	55 %	ASTM D2457

Descriptive Properties	Value	Comments
Clarity, mV	30	Sabtec

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