

Iran Petrochemical (PCC) 2100TN00 Low Density Polyethylene

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

Material Notes:

LDPE 2100TN00: Heavy duty film suitable for application in shrink hoods, industrial sacks, heavy duty carrier bags and liners. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-2100TN00-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

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ISO R527-1
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ISO R527-1
Film Elongation at Break, MD	>= 200 %	>= 200 %	ISO R527-1
Film Elongation at Break, TD	>= 500 %	>= 500 %	ISO R527-1
Modulus of Elasticity	0.180 GPa	26.1 ksi	MD; ISO R527-1
	0.190 GPa	27.6 ksi	TD; ISO R527-1
Tensile Impact	350 J/cm	656 ft-lb/in	ASTM D4272
Coefficient of Friction	0.70	0.70	ASTM D1894
Tear Strength	20.0 kN/m	114 pli	MD; ISO 6383-2
	25.0 kN/m	143 pli	TD; ISO 6383-2
Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	ISO R527-1
Film Tensile Strength at Break, TD	26.0 MPa	3770 psi	ISO R527-1

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003A
Gloss	39 %	39 %	ASTM D2457

Descriptive Properties	Value	Comments
Clarity, mV	56	Sabtec

Descriptive Properties

Value

Comments

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