

Iran Petrochemical (PCC) 2501TN00 Low Density Polyethylene

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

Material Notes:

LDPE 2501TN00 Hygienic Film It is used in diaper film, lamination film and in applications where low blocking behavior without the help of additives is required. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-2501TN00-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ISO 1183
Melt Flow	0.75 g/10 min	0.75 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	12.0 MPa	1740 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	0.190 GPa	27.6 ksi	MD; ISO R527-1
	0.200 GPa	29.0 ksi	TD; ISO R527-1
Tensile Impact	200 J/cm	375 ft-lb/in	ASTM D4272
Coefficient of Friction	0.70	0.70	ASTM D1894
Tear Strength	30.0 kN/m	171 pli	TD; ISO 6383-2
	35.0 kN/m	200 pli	MD; ISO 6383-2
Film Tensile Strength at Break, MD	28.0 MPa	4060 psi	ISO R527-1
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ISO R527-1

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003A
Gloss	50 %	50 %	ASTM D2457

Descriptive Properties	Value	Comments
Clarity, mV	34	Sabtec

Descriptive Properties	Value	Comments
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