

Iran Petrochemical (PCC) 2102TX00 Low Density Polyethylene

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

Material Notes:

LDPE 2102TX00 GP filmIt is used in wide range of widths and thicknesses e.g. for punches, bags, liners and lamination film.Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-2102TX00-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ISO 1183
Melt Flow	1.9 g/10 min	1.9 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.0 MPa	1890 psi	ISO R527-1
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ISO R527-1
Film Elongation at Break, MD	>= 150 %	>= 150 %	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	260 J/cm	487 ft-lb/in	ASTM D4272
Coefficient of Friction	1.0	1.0	ASTM D1894
Tear Strength	25.0 kN/m	143 pli	TD; ISO 6383-2
	60.0 kN/m	342 pli	MD; ISO 6383-2
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ISO R527-1

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003A
Gloss	50 %	50 %	ASTM D2457

Descriptive Properties	Value	Comments
Clarity, mV	29	Sabtec

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