

Iran Petrochemical (PCC) 2404TC47 Low Density Polyethylene

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

Material Notes:

LDPE 2404TC47 Light duty FilmIt is used for very thin films requiring good optical properties for general packaging applications e.g. covering film with very low blocking tendency.Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-2404TC47-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	4.7 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	13.0 MPa	1890 psi	ISO R527-1
Film Elongation at Break, MD	100 %	100 %	ISO R527-1
Film Elongation at Break, TD	>= 450 %	>= 450 %	ISO R527-1
Modulus of Elasticity	0.230 GPa	33.4 ksi	MD; ISO R527-1
	0.250 GPa	36.3 ksi	TD; ISO R527-1
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
Film Tensile Strength at Break, MD	27.0 MPa	3920 psi	ISO R527-1
Film Tensile Strength at Break, TD	16.0 MPa	2320 psi	ISO R527-1

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003A
Gloss	50 %	50 %	ASTM D2457

Descriptive Properties	Value	Comments
Clarity, mV	28	Sabtec

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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