

## Iran Petrochemical (PCC) 2101TN47 Low Density Polyethylene

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

### Material Notes:

LDPE 2101TN47 Shrink Film This grade enables high speed production of film without blocking. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Iran-Petrochemical-PCC-2101TN47-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-2101TN47-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	ISO 1183
Melt Flow	0.85 g/10 min	0.85 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	0.160 GPa	23.2 ksi	MD; ISO R527-1
	0.170 GPa	24.7 ksi	TD; ISO R527-1
Tensile Impact	300 J/cm	562 ft-lb/in	ASTM D4272
Coefficient of Friction	0.10	0.10	ASTM D1894
Tear Strength	30.0 kN/m	171 pli	TD; ISO 6383-2
	40.0 kN/m	228 pli	MD; ISO 6383-2
Film Tensile Strength at Break, MD	22.0 MPa	3190 psi	ISO R527-1
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ISO R527-1

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003A
Gloss	49 %	49 %	ASTM D2457

Descriptive Properties	Value	Comments
Clarity, mV	37	Sabtec

Descriptive Properties

Value

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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