

## Iran Petrochemical (PCC) 09X02 Linear Low Density Polyethylene

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

### Material Notes:

09X02 is a high performance LLDPE (HP-LLDPE) cast film grade combines ease of processing with low gels and good film strength. Its excellent stretchability makes this grade particularly suited for stretch wrapping application, especially as core layer in coextruded films. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Iran-Petrochemical-PCC-09X02-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-09X02-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.909 g/cc	0.0328 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.60 MPa	1390 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.80 MPa	1280 psi	ASTM D882
Film Elongation at Break, MD	640 %	640 %	ASTM D882
Film Elongation at Break, TD	880 %	880 %	ASTM D882
2% Secant Modulus	0.125 GPa	18.1 ksi	TD; ASTM D882
	0.135 GPa	19.6 ksi	MD; ASTM D882
Elmendorf Tear Strength MD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength TD	320 g	320 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM D882
Film Tensile Strength at Break, TD	32.0 MPa	4640 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	2.6 %	2.6 %	ASTM D1003
Gloss	84 %	84 %	ASTM D2457

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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