

## Iran Petrochemical (PCC) 16503 Linear Low Density Polyethylene

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

### Material Notes:

16503 is a LLDPE for general purpose cast stretch film grade. The ease of processing and the low gels make 16503 well suited for production of general purpose monolayer or multilayer cast stretch film. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Iran-Petrochemical-PCC-16503-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-16503-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	3.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.8 MPa	1710 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	800 %	800 %	ASTM D882
2% Secant Modulus	0.115 GPa	16.7 ksi	MD; ASTM D882
	0.115 GPa	16.7 ksi	TD; ASTM D882
Elmendorf Tear Strength MD	60 g	60 g	ASTM D1922
Elmendorf Tear Strength TD	330 g	330 g	ASTM D1922
Dart Drop Test	65.0 g	0.143 lb	ASTM D1709
Film Tensile Strength at Break, MD	52.0 MPa	7540 psi	ASTM D882
Film Tensile Strength at Break, TD	24.0 MPa	3480 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003
Gloss	88 %	88 %	ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	260 °C	500 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Puncture Resistance, N		14	Montell

## Contact Songhan Plastic Technology Co.,Ltd.

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