

Iran Petrochemical (PCC) LL22501 Linear Low Density Polyethylene

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

Material Notes:

22501 is a high stiffness LLDPE blown film grade designed for applications requiring good optical properties even at low extrusion temperature. This resin combines ease of processing with low gels and it is well suited for blending with LDPE and for general purpose application. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-LL22501-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM D1505
Melt Flow	0.95 g/10 min	0.95 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.0 MPa	1890 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.5 MPa	1810 psi	ASTM D882
Film Elongation at Break, MD	680 %	680 %	ASTM D882
Film Elongation at Break, TD	780 %	780 %	ASTM D882
2% Secant Modulus	0.200 GPa	29.0 ksi	MD; ASTM D882
	0.240 GPa	34.8 ksi	TD; ASTM D882
Elmendorf Tear Strength MD	105 g	105 g	ASTM D1922
Elmendorf Tear Strength TD	460 g	460 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	ASTM D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	21 %	21 %	ASTM D1003
Gloss	38 %	38 %	ASTM D2457

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