

Iran Petrochemical (PCC) LL0220KJ Linear Low Density Polyethylene

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

Material Notes:

LL0220KJ are linear low density polyethylene copolymers containing butane-1 as the comonomer. Applications: shipping sacks, carrier and garbage bags, consumer packaging, high clarity film, agricultural film. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-LL0220KJ-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ISO 1183
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	1000 %	1000 %	ASTM D882
Film Elongation at Break, TD	1100 %	1100 %	ASTM D882
2% Secant Modulus	0.0800 GPa	11.6 ksi	MD; ASTM D882
	0.100 GPa	14.5 ksi	TD; ASTM D882
Coefficient of Friction	0.13	0.13	ASTM D1894
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	300 g	300 g	ASTM D1922
Dart Drop Test	90.0 g	0.198 lb	ASTM D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003

Optical Properties	Metric	English	Comments
Glass	30	50	ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	123 Â°C	253 Â°F	
	225 Â°C	437 Â°F	

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