

ExxonMobil® LD 102.LC

L Product Description: LD 102.LC is a formulated homopolymer, garment film resin with good toughness. It is capable of being drawdown to thing gauges.

Availability: Latin America, North America and South America

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Melt Flow	6.8 g/10 min @Load 2.16 kg, Temperature 190 °C	6.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	3000 ppm	3000 ppm	
Slip Level	1200 ppm	1200 ppm	
Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.65 MPa	1400 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1500 psi	ASTM D882
Film Elongation at Break, MD	210 %	210 %	ASTM D882
Film Elongation at Break, TD	520 %	520 %	ASTM D882
Puncture Energy	0.203 J	0.150 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	530 g	530 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Dart Drop Test	60.0 g	0.132 lb	ASTM D1709
Film Tensile Strength at Break, MD	17.9 MPa	2600 psi	ASTM D882
Film Tensile Strength at Break, TD	20.7 MPa	3000 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	207 MPa	30000 psi	ASTM D882
Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	Peak Melting Temperature; ExxonMobil Method
Optical Properties	Metric	English	Comments
Haze	7.8 %	7.8 %	ASTM D1003
Gloss	69 %	69 %	45°; ASTM D2457