

ExxonMobil™ LLDPE LL 1201 Series

Linear Low Density Polyethylene Resin

Product Description

LL 1201 series are LLDPE grades, offering excellent combination of stiffness and optical properties (when blended with 10 - 20 % LDPE)

General

Additive	- LL 1201KG: Antiblock: 750 ppm; Slip: 1250 ppm; Processing Aid: Yes; Thermal Stabilizer: Yes - LL 1201XV: Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes		
Applications	- Blown Film - Bread Bags - Food packaging - Form Fill And Seal Packaging - Garment Film - General Packaging - Industrial Packaging - Label Film - Lamination Film - Multilayer Packaging Film - Overwrap Film - Packaging Films - Produce Bags - Shoppers - Shrink Film - Stand Up Pouches - Trash Bags - Zipper Bag		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.925 g/cm ³	0.925 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
Peak Melting Temperature	253 °F	123 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	8700 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	6100 psi	42 MPa	ASTM D882
Elongation at Break MD	620 %	620 %	ASTM D882
Elongation at Break TD	910 %	910 %	ASTM D882
Secant Modulus MD - 1% Secant	44000 psi	300 MPa	ASTM D882
Secant Modulus TD - 1% Secant	48000 psi	330 MPa	ASTM D882
Dart Drop Impact	70 g	70 g	ASTM D1709A
Elmendorf Tear Strength MD	50 g	50 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	53	53	ASTM D2457
Haze	12 %	12 %	ASTM D1003

