

ExxonMobil™ LLDPE LL 6201 Series

Linear Low Density Polyethylene Resin

Product Description

LL 6201 series are high flow LLDPE grades, which offer a unique combination of excellent processability and outstanding product properties. Parts manufactured from LL 6201 have good gloss and offer advantages in toughness, environmental stress crack resistance, stiffness and heat distortion resistance over comparable low density polyethylene items.

General

Additive	<ul style="list-style-type: none"> LL 6201XR: Thermal Stabilizer: Yes LL 6201RQ: Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> Compounding (RQ version) Housewares Lids Thin Wall Articles

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.926 g/cm ³	0.926 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	50 g/10 min	50 g/10 min	ASTM D1238
Peak Melting Temperature	250 °F	121 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	196 °F	91 °C	ISO 306

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	1600 psi	11 MPa	ISO 527-2/1A/50
Tensile Strain at Yield	20 %	20 %	ISO 527-2/1A/50
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A/50
Flexural Modulus	42000 psi	290 MPa	ISO 178
Environmental Stress-Crack Resistance 10% Igepal	7 hr	7 hr	ASTM D1693

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength	22 ft·lb/in ²	47 kJ/m ²	ISO 180/1A

