

ExxonMobil™ LLDPE LL 6301 Series Molding

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 6301 series is a medium density linear low density polyethylene grade with relatively high molecular weight, which makes the molded articles tougher and has excellent environmental stress cracking resistance. Compared with low density polyethylene grade with similar density, LL 6301 grade has higher thermal deformation temperature and higher long-term creep resistance.

General Information			
Additive	LL 6301XR Molding: heat stabilizer		
	LL 6301RQ Molding: heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 10% Igepal)	40.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	14.0	MPa	ISO 527-2/1A/50
Tensile Strain			ISO 527-2/1A/50
Yield	15	%	ISO 527-2/1A/50
Fracture	> 100	%	ISO 527-2/1A/50
Flexural Modulus	440	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	112	°C	ISO 306
Additional Information			

成型性能是使用基于 ISO 1872-2 标准的 4 mm(157.5 mil)厚注塑成型试样测定的.ESCR 是基于 2 mm(78.7 mil)厚的模压板所测定.

Legal statement

本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系.

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