

ExxonMobil™ LLDPE LL 1001 Series

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 1001 series is a linear low density polyethylene grade, with excellent drafting and puncture resistance, combined with high gloss and transparency. They are also often mixed with low density polyethylene resin to improve the performance and processability of the film. According to the requirements of surface performance, some additive components can be added.

General Information			
Additive	LL 1001ZB: anti-caking agent (5000 ppm); Heat stabilizer; Sliding agent (1600 ppm)		
	LL 1001KW: anti-caking agent (3500 ppm); Heat stabilizer; Sliding agent (1500 ppm)		
	LL 1001KI: anti-caking agent (2500 ppm); Heat stabilizer; Sliding agent (1000 ppm)		
	LL 1001XV: heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	μm	
secant modulus			ASTM D882
1% secant, MD	220	MPa	ASTM D882
1% secant, TD	250	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	57.0	MPa	ASTM D882
TD: Fracture	38.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	590	%	ASTM D882
TD: Fracture	860	%	ASTM D882
Dart Drop Impact	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	120	g	ASTM D1922
TD	480	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	47		ASTM D2457
Haze	9.0	%	ASTM D1003
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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