

ExxonMobil™ LLDPE LL 3001.32 Cast

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 3001.32 is an ethane copolymer linear low density polyethylene developed for blow molding or cast film processing. The film made of LL 3001.32 has excellent tensile properties and toughness. Excellent strength and good drawing make it a multi-purpose packaging film resin.

General Information			
Additive	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
secant modulus			ASTM D882
1% secant, MD	120	MPa	ASTM D882
1% secant, TD	145	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	8.43	MPa	ASTM D882
TD: Yield	7.75	MPa	ASTM D882
MD: Fracture	66.1	MPa	ASTM D882
TD: Fracture	38.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	340	%	ASTM D882
TD: Fracture	790	%	ASTM D882
Dart Drop Impact	81	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	300	g	ASTM D1922
TD	750	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	89		ASTM D2457
Haze	2.2	%	ASTM D1003
Legal statement			

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