

ExxonMobil™ LLDPE LL 1002YB Cast

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 1002YB is a linear low density polyethylene resin for casting film. It has high gloss and excellent drafting in blown film and casting film applications. LL1002YB can also be used with low density polyethylene resin to improve the performance and processability of the film.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	114	MPa	ASTM D882
1% secant, TD	132	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	7.38	MPa	ASTM D882
TD: Yield	6.48	MPa	ASTM D882
MD: Fracture	61.7	MPa	ASTM D882
TD: Fracture	24.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	420	%	ASTM D882
TD: Fracture	830	%	ASTM D882
Dart Drop Impact	< 48	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	21	g	ASTM D1922
TD	430	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	98		ASTM D2457
Haze	1.7	%	ASTM D1003
Legal statement			

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