

ExxonMobil™ LLDPE LL 1002 Series

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 1002 series is butene linear low density polyethylene, developed for blown film processing, with high gloss and excellent drafting performance. The film made of LL1002 resin has excellent tensile properties and toughness.

General Information			
Additive		LL 1002KW: anti-caking agent (3500 ppm); Heat stabilizer; Sliding agent (1500 ppm) LL 1002YB: 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 - 1% Secant, TD	220	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	9.40	MPa	ASTM D882
TD: Yield	8.90	MPa	ASTM D882
MD: Fracture	49.0	MPa	ASTM D882
TD: Fracture	29.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	590	%	ASTM D882
TD: Fracture	800	%	ASTM D882
Dart Drop Impact	70	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	90	g	ASTM D1922
TD	400	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	76		ASTM D2457
Haze	4.4	%	ASTM D1003
Legal statement			

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

