

ExxonMobil™ LDPE LD 313.NF

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LD 313.NF is a 3% (mass fraction) vinyl acetate copolymer. The vinyl acetate content of the resin makes it have better heat sealing performance and low temperature toughness than low density polyethylene homopolymer.

General Information			
Additive		Anti-caking agent (2500 ppm)	
		heat stabilizer	
		Sliding agent (800 ppm)	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Vinyl Acetate Content	3.0	wt%	ExxonMobil Method
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	154	MPa	ASTM D882
1% secant, TD	178	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	8.46	MPa	ASTM D882
TD: Yield	8.27	MPa	ASTM D882
MD: Fracture	22.1	MPa	ASTM D882
TD: Fracture	19.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	170	%	ASTM D882
TD: Fracture	540	%	ASTM D882
Dart Drop Impact	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	200	g	ASTM D1922
TD	120	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	76		ASTM D2457
Haze	5.3	%	ASTM D1003
Legal statement			

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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

