

ExxonMobil™ LDPE LD 143.26

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

ExxonMobil LD 143.26 is a homopolymer packaging film resin with excellent transparency and good hardness. It is suitable for processing with blown film or casting film equipment. In blown film equipment, LD 143.26 resin can be drawn to 1.0 mil thickness.

General Information			
Additive	LD 143.26: anti-caking agent (1500 ppm); Heat stabilizer; Sliding agent (750 ppm)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	210	MPa	ASTM D882
1% secant, TD	247	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	10.9	MPa	ASTM D882
TD: Yield	11.1	MPa	ASTM D882
MD: Fracture	24.2	MPa	ASTM D882
TD: Fracture	20.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	190	%	ASTM D882
TD: Fracture	550	%	ASTM D882
Dart Drop Impact	81	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	380	g	ASTM D1922
TD	160	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	72		ASTM D2457
Haze	6.2	%	ASTM D1003
Legal statement			

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