ExxonMobil™ LDPE LD 158 Series

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LD 158 series is a low density polyethylene grade, which is especially developed for composite films and coextruded films. They have good mechanical properties, stiffness and optical properties and combine low crystal point grades. These grades conform to the film appearance specification. Two kinds of additive packages can be specially made according to the needs of the compound machine. The performance of LD 158 has very narrow fluctuation to meet the requirement of high consistency of composite membrane.

General Information	
Additive	LD 158JD: anti-caking agent (1800 ppm); Heat stabilizer; Sliding agent (330 ppm)
	LD 158BW: 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	240	MPa	ASTM D882
1% secant, TD	280	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	23.0	MPa	ASTM D882
TD: Fracture	21.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	200	%	ASTM D882
TD: Fracture	500	%	ASTM D882
Dart Drop Impact	75	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°)	69		ASTM D2457
Haze	5.0	%	ASTM D1003

Legal statement

有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系.本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用

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