

ExxonMobil™ LDPE LD 103 Series

Low Density Polyethylene Resin
ExxonMobil Chemical

Message:

ExxonMobil LD 103 resin is a homopolymer industrial film resin with excellent toughness. LD 103 resin has low melt index and good impact strength and melt strength of various specifications.

General Information			
Additive		LD 103.59: anti-caking agent (3000 ppm); Heat stabilizer LD 103.09: heat stabilizer	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	197	MPa	ASTM D882
1% secant, TD	254	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	10.9	MPa	ASTM D882
TD: Yield	10.2	MPa	ASTM D882
MD: Fracture	29.3	MPa	ASTM D882
TD: Fracture	24.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	150	%	ASTM D882
TD: Fracture	580	%	ASTM D882
Dart Drop Impact	140	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	340	g	ASTM D1922
TD	71	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	50		ASTM D2457
Haze	11	%	ASTM D1003
Legal statement			

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