

ExxonMobil™ LDPE LD 100 Series

Low Density Polyethylene Resin
ExxonMobil Chemical

Message:

LD 100 series is a low density polyethylene grade with a good balance between optical and mechanical properties. According to the requirements of surface performance, some additive components can be added.

General Information			
Additive	LD 100BR: anti-caking agent (1000 ppm); Heat stabilizer; Sliding agent (750 ppm)		
	LD 100AC: anti-caking agent (450 ppm); Heat stabilizer; Sliding agent (500 ppm)		
	LD 100BW: 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	210	MPa	ASTM D882
1% secant, TD	230	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	11.0	MPa	ASTM D882
TD: Yield	11.0	MPa	ASTM D882
MD: Fracture	25.0	MPa	ASTM D882
TD: Fracture	22.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	330	%	ASTM D882
TD: Fracture	550	%	ASTM D882
Dart Drop Impact	79	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	150	g	ASTM D1922
TD	120	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	63		ASTM D2457
Haze	6.1	%	ASTM D1003
Legal statement			

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