

ExxonMobil™ LDPE LD 151 Series

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LD 151 series low density polyethylene grade well combines high transparency and high stiffness. According to the requirements of surface performance, some additive components can be added.

General Information			
Additive	LD 151HR: anti-caking agent (400 ppm); Heat stabilizer; Sliding agent (650 ppm)		
	LD 151GZ: anti-caking agent (1000 ppm); Heat stabilizer; Sliding agent (1050 ppm)		
	LD 151BW: heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	370	MPa	ASTM D882
1% secant, TD	370	MPa	ASTM D882
Tensile Strength			ASTM D882
TD: Yield	15.0	MPa	ASTM D882
MD: Fracture	22.0	MPa	ASTM D882
TD: Fracture	18.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	430	%	ASTM D882
TD: Fracture	560	%	ASTM D882
Dart Drop Impact	55	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	95	g	ASTM D1922
TD	170	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	73		ASTM D2457
Haze	6.0	%	ASTM D1003
Legal statement			

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