

ExxonMobil™ LDPE LD 302 Series

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

ExxonMobil LD 302 resin is a high transparency film resin with 3.5% (mass fraction) vinyl acetate copolymer. The combination of comonomer content and low melt index helps to produce films with high impact strength, good heat sealability and excellent low temperature performance.

General Information			
Additive	LD 302.56: anti-caking agent (3000 ppm); Heat stabilizer		
	LD 302.32: anti-caking agent (2500 ppm); Heat stabilizer; Sliding agent (500 ppm)		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Vinyl Acetate Content	3.5	wt%	ExxonMobil Method
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	146	MPa	ASTM D882
1% secant, TD	172	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	24.2	MPa	ASTM D882
TD: Fracture	23.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	190	%	ASTM D882
TD: Fracture	580	%	ASTM D882
Dart Drop Impact	170	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	190	g	ASTM D1922
TD	110	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	69		ASTM D2457
Haze	6.5	%	ASTM D1003
Legal statement			

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