

ExxonMobil™ LDPE LD 306 Series

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

ExxonMobil LD 306 resin is a 5.5% (mass fraction) vinyl acetate copolymer, a film resin with high transparency. Films made of these resins have excellent impact strength and heat sealability.

General Information			
Additive	LD 306.75: anti-caking agent (3000 ppm); Heat stabilizer; Sliding agent (1100 ppm)		
	LD 306.57: anti-caking agent (4000 ppm); Heat stabilizer		
	LD 306.38: anti-caking agent (1000 ppm); Heat stabilizer; Sliding agent (500 ppm)		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Vinyl Acetate Content	5.5	wt%	ExxonMobil Method
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	127	MPa	ASTM D882
1% secant, TD	146	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	25.1	MPa	ASTM D882
TD: Fracture	23.9	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	190	%	ASTM D882
TD: Fracture	590	%	ASTM D882
Dart Drop Impact	170	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	160	g	ASTM D1922
TD	75	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	74		ASTM D2457
Haze	4.0	%	ASTM D1003
Legal statement			

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