

ExxonMobil™ LDPE LD 105 Series

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

ExxonMobil LD 105 resins are homopolymer packaging film resins designed for applications requiring outstanding clarity with good stiffness. These resins can be processed in either blown or cast film equipment. In blown film equipment LD 105.30 can be drawn down to 1.0 mil gauge.

General Information			
Additive		LD 105.BR: Antiblock (1000 ppm); Heat Stabilizer; Slip (750 ppm) LD 105.30: Antiblock (1000 ppm); 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	214	MPa	
1% Secant, TD	253	MPa	
Tensile Strength			ASTM D882
MD : Yield	11.0	MPa	
TD : Yield	11.1	MPa	
MD : Break	25.1	MPa	
TD : Break	21.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	210	%	
TD : Break	570	%	
Dart Drop Impact	99	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	350	g	
TD	180	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	76		ASTM D2457
Haze	5.2	%	ASTM D1003

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Recommended distributors for this material

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