

ExxonMobil™ LLDPE LL 3001.63

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL3001.63 resin is hexene copolymer linear low density polyethylene film resin. Films made of these resins have excellent tensile properties and toughness. Excellent strength and good drawing properties make it a multi-purpose packaging film resin. LL3001.63 resin is formulated for blown film extrusion, but it can also be used for highly stable formula for casting film processing.

General Information			
Additive		Processing aid heat stabilizer	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	197	MPa	ASTM D882
1% secant, TD	238	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	9.31	MPa	ASTM D882
TD: Yield	10.0	MPa	ASTM D882
MD: Fracture	57.9	MPa	ASTM D882
TD: Fracture	48.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	500	%	ASTM D882
TD: Fracture	840	%	ASTM D882
Dart Drop Impact	140	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	440	g	ASTM D1922
TD	740	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	49		ASTM D2457
Haze	15	%	ASTM D1003
Legal statement			

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