



MARPOL
LL4F 801
 Linear Low Density Polyethylene



PRODUCT DATA SHEET

MARPOL LL4F 801 is butene LLDPE blown film resin. It has good drawdown and films produced from this resin exhibit excellent toughness and tensile properties.

Resin Properties	Typical Value	Typical Value (SI)	Test Method
Melt index (190°C/2.16 kg)	1 g/10 min	1 g/10 min	ASTM D 1238
Density	0.919 g/cm ³	0.919 g/cm ³	ASTM D 1505
Melting Temperature	250 °F	121 °C	ASTM D 3418
Vicat Softening Temperature	210 °F	99 °F	ASTM D 1525

Film Properties	Typical Value	Typical Value (SI)	Test Method
Dart Drop Impact	145 g	145 g	ASTM D 1709
Elmendorf Tear Strength			ASTM D 1922
MD	80 g	80 g	
TD	400 g	400 g	
Tensile Strength at Break			ASTM D 882
MD	4900 psi	33 MPa	
TD	3600 psi	25 MPa	
Tensile Strength at Yield			ASTM D 882
MD	1800 psi	12 MPa	
TD	1500 psi	10 MPa	
Elongation at Break			ASTM D 882
MD	580 %	580 %	
TD	850 %	850 %	

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.





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Film Properties	Typical Value	Typical Value (SI)	Test Method
1% Secant Modulus			ASTM D 882
MD	29000 psi	200 MPa	
TD	31000 psi	210 MPa	
Haze	15 %	15 %	ASTM D 1003
Gloss (45°)	45	45	ASTM D 2457

Recommended application:

blown film, agricultural film, food packaging, bread bags, general packaging, lamination film, trash bags, barrier food packaging, heavy duty bags, industrial packaging, multilayer packaging film, shoppers, ice bags, freezer film.

Additives:

Antiblock – no, Slip – no.

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