

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 °C	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, MD	80 g	80 g	ASTM D 1922
TD	400 g	400 g	
Tensile Strength at Break MD	4900 psi	33 MPa	ASTM D 882
TD	3600 psi	25 MPa	
Tensile Strength at Yield MD	1800 psi	12 MPa	ASTM D 882
TD	1500 psi	10 MPa	
Elongation at Break, MD	580 %	580 %	ASTM D 882
TD	850 %	850 %	
1% Secant Modulus MD	29000 psi	200 MPa	ASTM D 882
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.