

LLB2019

Melt Index 2.0

Density 0.919

Material Properties - Butene

Properties	Test Method ¹	Unit	Typical Value ²
Melt Index ³	D 1238	g/10 min	2.0
Density	D 792	g/cm ³	0.919
Film⁴			
Tear Strength, MD TD	D 1922	g	110
	D 1922	g	330
Dart Drop Impact, F ₅₀	D 1709/A	g	100
Tensile Strength, MD TD	D 882	psi (MPa)	4,600 (32)
	D 882	psi (MPa)	3,600 (25)
Yield Strength, MD TD	D 882	psi (MPa)	1,500 (10)
	D 882	psi (MPa)	1,500 (10)
Elongation, MD TD	D 882	%	660
	D 882	%	700
1 % Secant Modulus, MD TD	D 882	psi (MPa)	24,700 (170)
	D 882	psi (MPa)	27,600 (190)
Haze	D 1003	%	14
Gloss @ 45°	D 2457		43

¹ Properties designated have been determined using methods which are in accordance with, or substantially in accordance with, the specified testing standards.

² Typical Values represent average laboratory values and are intended as guides only, not as specifications.

³ Condition 190°C/2/16kg.

⁴ Film properties are typical of blown film extruded on a 2.5" extruder with 4" die and 100-mil die gap at a blow up ratio of 2.5:1, but are dependant upon operating conditions.

Product	LLB2019	LLB2019SA	LLB2019SAH
Slip (ppm)	0	750	1,500
Antiblock (ppm)	0	3,150	6,300
Processing Aid	Yes		

- LLB2019 has exceptional toughness and strength and ease of extrusion.
- Applications for LLB2019 include trash bags, liners, general packaging, industrial liners, heavy duty bags, stretch wrap, blend resin and industrial packaging.
- Osterlene LLB2019 meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply. Contact your Osterman sales representative for more information.