

Formolene[®] LB1810B

Linear Low Density Polyethylene (LLDPE) Resin for Film Extrusion Applications

Formolene[®] LB1810B is a butene based linear low density polyethylene copolymer designed for blown film applications.

Formolene[®] LB1810B meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:

Agricultural Films Industrial Liners Industrial Packaging Garment Bags

Additives:

Antiblock –No Slip – No Processing Aid – No

Nominal Values

PROPERTY	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Base Density	Internal Method	g/cm ³	0.918	g/cm ³	0.918
Melt Index (190 °C, 2.16 kg)	D1238	g/10 min	1.0	g/10 min	1.0
Tensile Strength at Yield	D882	psi	1550/1600*	MPa	10.7/11.0*
Tensile Strength at Break	D882	psi	5300/3900*	MPa	36.5/26.9*
Tensile Elongation at Break	D882	%	580/690*	%	580/690*
Dart Impact	D1709A	g	90	g	90
Elmendorf Tear Strength	D1922	g	170/320*	g	170/320*

* MD/TD

Available in the following additive packages:

Additive	LB1810B	LB1810A	LB1810E2
Density (g/cm ³) ASTM D792	0.918	0.920	0.922
Antiblock (ppm)	None	4000	5000
Slip (ppm)	None	None	1500
Processing aid	None	None	None
Special	-	Additives talc based	Additives talc based