

Osterlene® LLH1018SA

Linear Low Density Polyethylene

Osterman & Company

Message:

LLH1018 is a general purpose film grade linear low density made using gas-phase technology. The resin exhibits excellent toughness and strength when drawn down to thin gauges.

Suggested applications for this resin include its use as a blending resin, for industrial packaging, co-extrusion, industrial liners and garment bags. Osterlene LLH1018 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.

General Information			
Additive	Anti-caking agent (1500 ppm)		
	Slip agent (7000 ppm)		
Features	Low density		
	High strength		
	smoothness		
	Anti-caking property		
	Good stripping		
	Good toughness		
	General		
Uses	Lining		
	Bags		
	Industrial application		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.95	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Fracture	32.8	MPa	ASTM D882
TD: Fracture	24.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	520	%	ASTM D882
TD: Fracture	780	%	ASTM D882

Dart Drop Impact	160	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	400	g	ASTM D1922
TD	630	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (45°)	33		ASTM D523
Haze	21	%	ASTM D1003

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