Osterlene® LLM1416SA

Linear Low Density Polyethylene

Osterman & Company

Message:

LLM1416 is best suited for applications requiring excellent clarity, gloss, toughness and heat seal. Typical blown film applications include; seal layer in coextrustions, heavy duty packaging and clarity packaging.
Osterlene LLM1416 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	Processing aid Anti-caking agent (5000 ppm) Sliding agent (1000 ppm)		
Features	Highlight smoothness Anti-caking property Definition, high Good toughness		
Uses	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.916	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction	> 1.0		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Puncture Energy	7.50	J	ASTM D3763
Film Puncture Force	82.7	N	ASTM D3763
secant modulus			ASTM D882
1% secant, MD	152	MPa	ASTM D882
1% secant, TD	157	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	11.7	MPa	ASTM D882
TD: Yield	10.0	MPa	ASTM D882
MD: Fracture	69.6	MPa	ASTM D882
TD: Fracture	52.4	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Fracture	520	%	ASTM D882
TD: Fracture	600	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD	240	g	ASTM D1922
TD	420	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	130		ASTM D2457
Haze	4.0	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Dart Impact	> 308.9	kN/m	ASTM D1709
Sealing Initial Temperature	100	°C	ASTM F88

Recommended distributors for this material

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