Osterlene® LLSH0917SAH

Linear Low Density Polyethylene

Osterman & Company

Message:

LLSH0917 is a super strength hexene copolymer LLDPE film resin. This product has outstanding toughness properties, especially impact and tear strength, compared to other hexene polymers. It is stabilized for blown film extrusion and does not contain slip or antiblock, making it well suited for blown stretch wrap.
Osterlene LLSH0917 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 slip agent		
Features	High strength Copolymer hexene comonomer Impact resistance, good Good tear strength Good toughness Compliance of Food Exposure		
Uses	Stretch winding		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.917	g/cm³	Internal method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Puncture Energy	3.62	J	Internal method
Film Puncture Force	44.5	N	Internal method
secant modulus			ASTM D882
1% secant, MD	165	MPa	ASTM D882
1% secant, TD	186	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	8.96	MPa	ASTM D882
TD: Yield	9.65	MPa	ASTM D882
MD: Fracture	62.7	MPa	ASTM D882
TD: Fracture	51.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Fracture	630	%	ASTM D882
TD: Fracture	720	%	ASTM D882
Dart Drop Impact	330	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	460	g	ASTM D1922
TD	600	g	ASTM D1922
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	125	°C	Internal method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°)	37		ASTM D2457
Haze	17	%	ASTM D1003

Recommended distributors for this material

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