Alkathene® LD0128MS

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LD0128MS is a low density polyethylene designed for use in the production of medium gauge (40-80µm) high quality film. LD0128MS is formulated with a process stabilisation and antiblock additive package and and an additive (erucamide) designed to confer a medium level of slip.
LD0128MS is particularly suitable for use in film applications where high clarity, medum to high strength and medium slip are required.

General Information			
Additive	Processing stabilizer Anti-caking agent Moderate smoothness		
Features	High strength Anti-caking property Definition, high Compliance of Food Exposure Moderate smoothness		
Uses	Films		
Agency Ratings	AS 2070-1999 4.1.1(a) FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
secant modulus			ASTM D882
2% secant, MD: 50 µm, blown film	140	MPa	ASTM D882
2% secant, TD: 50 µm, blown film	160	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm, blown film	12.0	MPa	ASTM D882
TD: Yield, 50 µm, blown film	11.0	MPa	ASTM D882
MD: Broken, 50 µm, blown film	24.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	16.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	370	%	ASTM D882

TD: Broken, 50 µm, blown film	660	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm, blown film	480	g	ASTM D1922
TD: 50 µm, blown film	320	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	68		ASTM D2457
Haze (50.0 µm, Blown Film)	8.0	%	ASTM D1003
Additional Information			

Film properties taken from blown film processed at a blow up ratio of 3.5:1.

Recommended distributors for this material

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