

Alkathene® LD0220MS

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LD0220MS is a low density polyethylene designed for use in the production of low gauge (20-50µm) high quality film. LD0220MS is formulated with a process stabilisation and antiblock additive package and contains an additive (erucamide) designed to conver a medium level of slip. LD0220MS is intended for use in high quality lamination and film applications.

General Information	
Additive	Processing stabilizer Anti-caking agent slip agent
Features	smoothness Anti-caking property Definition, high Compliance of Food Exposure
Uses	Films Laminate Sheet
Agency Ratings	AS 2070-1999 4.1.1(a) FDA 21 CFR 177.1520(c) 2.1
Forms	Particle
Processing Method	Film extrusion Sheet extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
secant modulus			ASTM D882
2% secant, MD: 32 µm, blown film	170	MPa	ASTM D882
2% secant, TD: 32 µm, blown film	190	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 32 µm, blown film	11.0	MPa	ASTM D882
TD: Yield, 32 µm, blown film	10.0	MPa	ASTM D882

MD: Broken, 32 μm, blown film	22.0	MPa	ASTM D882
TD: Broken, 32 μm, blown film	14.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 32 μm, blown film	240	%	ASTM D882
TD: Broken, 32 μm, blown film	660	%	ASTM D882
Dart Drop Impact (32 μm, Blown Film)	70	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 32 μm	400	g	ASTM D1922
TD : 32 μm	180	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45 °, 32.0 μm, blown film)	69		ASTM D2457
Haze (32.0 μm, blown film)	7.0	%	ASTM D1003
Additional Information			

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

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