

DESCRIPTION

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

APPLICATION

Film Extrusion: Alkathene LD0220MS is intended for use in high quality low gauge applications requiring medium slip, including lamination and overwrap films. It is typically blended with LLDPE for these applications.

FOOD CONTACT / PRODUCT SAFETY

For food contact information please refer to the Regulatory Data Sheet at genos.com. For product safety information please refer to the Safety Data Sheet at genos.com.

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 2.16 kg	2.5	g/10 min	ASTM D1238
Density	0.922	g/cm ³	ASTM D1505

Film Properties ²		Value ¹	Units	Test Method
Haze		7	%	ASTM D1003
Gloss, 45°		69	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		70	g	ASTM D1709
Tear Strength	MD TD	3.9 1.8	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	11 10	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	22 14	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	240 660	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	170 190	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
2. Film Properties have been measured on 32µm gauge film extruded at Qenos (2.0 to 1 blow-up ratio).
3. At 500 mm/min cross head speed.
4. At 20 mm/min cross head speed.

For up to date information, refer to genos.com

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