

DESCRIPTION

Alkathene LDH210 is a low density polyethylene designed for a variety of medium gauge (40 - 80µm) general purpose film applications. Alkathene LDH210 is formulated with a process stabilisation additive package but contains no antiblock or slip additives.

APPLICATION

Film Extrusion: Alkathene LDH210 is intended for use in bundle shrink films as well as a variety of other medium gauge applications including produce bags and carry bags. Alkathene LDH210 is also used as a minor component in many LLDPE films.

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	1.0	g/10 min	ASTM D1238
Density	0.922	g/cm ³	ASTM D1505

Film Properties ²	Value ¹	Units	Test Method
Haze	6	%	ASTM D1003
Gloss, 45°	73	GU	ASTM D2457
Dart Drop Impact (F ₅₀)	120	g	ASTM D1709
Tear Strength MD TD	5.1 3.2	N N	ASTM D1922
Tensile Strength at Yield ³ MD TD	11 10	MPa MPa	ASTM D882
Tensile Strength at Break ³ MD TD	23 18	MPa MPa	ASTM D882
Elongation at Break ³ MD TD	360 770	% %	ASTM D882
2% Secant Modulus ⁴ MD TD	140 170	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
2. Film Properties have been measured on 50µm 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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