

DESCRIPTION

Alkathene LDD205 is a low density polyethylene designed for a variety of medium to heavy gauge (50-150µm) applications in which a high slip film is required. Alkathene LDD205 is formulated with a process stabilisation and antiblock additive package and contains additives designed to confer a high level of slip.

APPLICATION

Film Extrusion: Alkathene LDD205 is intended for heavy duty bags, shrink film and other medium to heavy gauge films that require antiblock and a high level of slip.

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

Film Properties ²		Value ¹	Units	Test Method
Haze		10	%	ASTM D1003
Gloss, 45°		62	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		140	g	ASTM D1709
Tear Strength	MD TD	3.6 2.7	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	11 10	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	25 20	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	330 740	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	150 170	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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