

DESCRIPTION

Alkathene LDD203 is a low density polyethylene designed for a variety of medium to heavy gauge (50-150µm) general purpose film applications. Alkathene LDD203 is formulated with a process stabilisation and antiblock additive package but contains no slip additives.

APPLICATION

Film Extrusion: Alkathene LDD203 is intended for heavy duty bags, shrink film and other medium to heavy gauge films that require antiblock.

FOOD CONTACT / PRODUCT SAFETY

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

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 2.16 kg	0.45	g/10 min	ASTM D1238
Density ²	0.922	g/cm ³	ASTM D1505

Film Properties ³	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	3.7 2.5	N N	ASTM D1922
Tensile Strength at Yield ⁴ MD TD	12 11	MPa MPa	ASTM D882
Tensile Strength at Break ⁴ MD TD	26 20	MPa MPa	ASTM D882
Elongation at Break ⁴ MD TD	330 730	% %	ASTM D882
2% Secant Modulus ⁵ MD TD	160 190	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
2. Base resin density; antiblock additive adds 0.001 – 0.002 g/cm³.
3. Film Properties have been measured on 50µm gauge film extruded at Qenos (2.0 to 1 blow-up ratio).
4. At 500 mm/min cross head speed.
5. At 20 mm/min cross head speed.

For up to date information, refer to qenos.com

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