

DESCRIPTION

Alkathene LDF433 is a low density polyethylene designed for a variety of medium to heavy gauge (70 - 200µm) film applications where increased stiffness is required. Alkathene LDF433 is formulated with a process stabilisation and antiblock package but contains no slip additives.

APPLICATION

Film Extrusion: Alkathene LDF433 is intended for use in medium to heavy duty sacks, shrink film, pallet wrap and other industrial applications requiring increased stiffness.

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	0.925	g/cm ³	ASTM D1505

Film Properties ²		Value ¹	Units	Test Method
Haze		14	%	ASTM D1003
Gloss, 45°		62	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		230	g	ASTM D1709
Tear Strength	MD TD	7.5 7.0	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	12 12	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	24 21	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	640 820	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	180 200	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
2. Film Properties have been measured on 100 µm 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 www.genos.com

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