

DESCRIPTION

Alkatuff LL438 is a high performance hexene linear low density polyethylene copolymer designed for a variety of applications requiring enhanced sealing characteristics and toughness. Alkatuff LL438 is formulated with process aid and a process stabilisation package but contains no slip or antiblocking additives

APPLICATION

Film Extrusion: Alkatuff LL438 is intended for applications that require enhanced sealing performance, such as lamination and form, fill and seal films. Excellent toughness also makes Alkatuff LL438 ideal for heavy duty and low temperature applications. Addition of a UV stabiliser should be considered where the intended application involves intermittent to extended exposure to sunlight.

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		0.8	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°		73	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		230	g	ASTM D1709
Tear Strength	MD TD	7.7 10.7	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	12 12	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	40 43	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	880 1000	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	210 235	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
2. Film properties measured on 50µm gauge film extruded at Qenos (2.2:1 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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