

DESCRIPTION

Alkatuff LL501 is a hexene linear low density polyethylene copolymer designed for a variety of general purpose film applications. Alkatuff LL501 is formulated with a process stabilisation package but contains no slip or antiblocking additives.

APPLICATION

Film Extrusion: Alkatuff LL501 is intended for general purpose applications such as industrial, agricultural and heavy duty films. Alkatuff LL501 is also ideally suited for use in blending applications. The higher stiffness of Alkatuff LL501 can improve film handling in converting and packaging operations. 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	1.0	g/10 min	ASTM D1238
Density	0.925	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)	210	g	ASTM D1709	
Tear Strength	MD TD	4.7 8.6	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	14 15	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	46 45	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	950 1000	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	240 270	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 (2.2:1 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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