

DESCRIPTION

Alkatuff LL601 is a hexene linear low density polyethylene copolymer designed for a variety of general purpose film applications requiring a good balance between stiffness and toughness. Alkatuff LL601 is formulated with process stabilisation, antiblocking and slip (high slip) additives.

APPLICATION

Film Extrusion: Alkatuff LL601 is intended for general purpose applications such as liners, bags, sacks, industrial and agricultural films. Alkatuff LL601 is also ideally suited for use in blending applications. The higher stiffness of Alkatuff LL601 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 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		1.0	g/10 min	ASTM D1238
Density ²		0.925	g/cm ³	ASTM D1505
Film Properties ³		Value ¹	Units	Test Method
Haze		11	%	ASTM D1003
Gloss, 45°		68	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		210	g	ASTM D1709
Tear Strength	MD	4.3	N	ASTM D1922
	TD	8.7	N	
Tensile Strength at Yield ⁴	MD	13	MPa	ASTM D882
	TD	14	MPa	
Tensile Strength at Break ⁴	MD	31	MPa	ASTM D882
	TD	30	MPa	
Elongation at Break ⁴	MD	800	%	ASTM D882
	TD	860	%	
2% Secant Modulus ⁵	MD	230	MPa	ASTM D882
	TD	270	MPa	

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 50 µm gauge film extruded at Qenos (2.2:1 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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