

DESCRIPTION

Alkamax ML2610PN is a metallocene linear low density polyethylene copolymer. This metallocene grade has excellent processability permitting higher production rates and is designed for high performance film applications requiring superior toughness and stiffness. Alkamax ML2610PN is formulated with a process aid and a process stabilisation package. It does not contain slip or antiblocking additives.

APPLICATION

Film Extrusion: Alkamax ML2610PN is intended for applications requiring high performance polyethylene resins. Films produced with Alkamax ML2610PN have superior stiffness and toughness, which may allow downgauging existing film structures. These properties combined with excellent optical properties and high performance sealing make this grade ideal for heavy duty applications, lamination and form, fill and seal films. It has been designed for processing on a wide range of blown film extrusion equipment. 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		0.926	g/cm ³	ASTM D1505

Film Properties ²		Value ¹	Units	Test Method
Haze (10% LDPE blended)		15	%	ASTM D1003
Gloss, 45° (10% LDPE blended)		53	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		350	g	ASTM D1709
Tear Strength	MD	4.6	N	ASTM D1922
	TD	5.9	N	
Tensile Strength at Yield ³	MD	14	MPa	ASTM D882
	TD	14	MPa	
Tensile Strength at Break ³	MD	46	MPa	ASTM D882
	TD	45	MPa	
Elongation at Break ³	MD	840	%	ASTM D882
	TD	900	%	
2% Secant Modulus ⁴	MD	250	MPa	ASTM D882
	TD	270	MPa	

1. Typical values - not to be construed as specifications.
 2. Film properties have been measured on 50 µm gauge film extruded at Qenos Gloucester line (2.8:1 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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