Alkamax® ML2610PN

Metallocene Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

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.
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.

General Information	
Additive	Processing Aid Processing Stabilizer
Features	Copolymer Food Contact Acceptable Good Processability Good Processing Stability Good Toughness Low Density Very Broad Seal Range
Uses	Film Laminates
Agency Ratings	AS 2070-1999 FDA 21 CFR 177.1520(c) 3.1a
Processing Method	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Secant Modulus [1]			ASTM D882
2% Secant, MD : 50 µm	250	MPa	
2% Secant, TD : 50 µm	270	MPa	
Tensile Strength [2]			ASTM D882
MD : Yield,50 µm	14.0	MPa	

TD : Yield,50 μm	14.0	MPa	
MD : Break, 50 μm	46.0	MPa	
TD : Break, 50 μm	45.0	MPa	
Tensile Elongation [3]			ASTM D882
MD : Break, 50 μm	840	%	
TD : Break, 50 μm	900	%	
Dart Drop Impact [4]	> 350	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 50 μm	470	g	
TD : 50 μm	600	g	

Optical	Nominal Value	Unit	Test Method
Gloss [5] (45°)	53		ASTM D2457
Haze [6] (50.0 μm)	15	%	ASTM D1003

NOTE	
1.	20 mm/min
2.	500 mm/min
3.	500 mm/min
4.	F50
5.	(10% LDPE blended)
6.	(10% LDPE blended)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China