Alkathene® Ultra LDH215

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LDH215 is a low density polyethylene designed for a variety of medium gauge (40-80µm) general purpose applications in which a high slip film is required. LDH215 is formulated with a process stabilisation and antiblock additive package and contains additives designed to confer a high level of slip. LDH215 is intended for use in medium gauge (40-80µm) general purpose applications such as blending into other film grades, carry bags and produce bags.

General Information			
Additive	High smoothness Processing stabilizer Anti-caking agent		
Features	High smoothness Anti-caking property General		
Uses	Films Bags Mixing		
Agency Ratings	AS 2070-1999 4.1.1(a) FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	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			ASTM D882
2% secant, MD: 50 µm, blown film	150	MPa	ASTM D882
2% secant, TD: 50 µm, blown film	170	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm, blown film	11.0	MPa	ASTM D882
TD: Yield, 50 µm, blown film	10.0	MPa	ASTM D882
MD: Broken, 50 µm, blown film	24.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	18.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	380	%	ASTM D882
TD: Broken, 50 µm, blown film	740	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	120	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm, blown film	470	g	ASTM D1922
TD: 50 µm, blown film	320	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	67		ASTM D2457
Haze (50.0 µm, Blown Film)	9.0	%	ASTM D1003
Additional Information			

Film properties taken from blown film processed at a blow up ratio of 2:1.

Recommended distributors for this material

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