

Alkathene® Ultra LDH210

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LDH210 is a low density polyethylene designed for the production of bundle shrink films as well as a variety of medium gauge (40 - 80µm) general purpose film applications. LDH210 is formulated with a process stabilisation additive package but contains no antiblock or slip additives. LDH210 is intended for use in bundle shrink films as well as a variety of medium gauge (40 - 80µm) applications including produce bags, carry bags and blending into other film grades.

General Information			
Additive	Processing stabilizer		
Features	General		
Uses	Films		
	Bags		
	Mixing		
	Shrinkable film		
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/cm ³	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	140	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	23.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	18.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	360	%	ASTM D882
TD: Broken, 50 µm, blown film	770	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	120	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD: 50 μm, blown film	520	g	ASTM D1922
TD: 50 μm, blown film	330	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm, Blown Film)	73		ASTM D2457
Haze (50.0 μm, Blown Film)	6.0	%	ASTM D1003

Additional Information

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

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