Alkathene® Ultra LDD205

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LDD205 is a low density polyethylene designed for a variety of medium to heavy gauge (50-150µm) applications in which a high slip film is required. LDD205 is formulated with a process stabilisation and antiblock additive package and contains additives designed to confer a high level of slip. LDD205 is intended for use in medium to heavy gauge (50-150µm) film applications and blending into other film grades.

General Information			
Additive	High smoothness Processing stabilizer Anti-caking agent		
Features	High smoothness Anti-caking property		
Uses	Films 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)	0.45	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.17		ASTM D1894
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	25.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882

MD: Broken, 50 µm, blown film	330	%	ASTM D882
TD: Broken, 50 µm, blown film	740	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	140	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm, blown film	370	g	ASTM D1922
TD: 50 µm, blown film	280	g	ASTM D1922

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	62		ASTM D2457
Haze (50.0 µm, Blown Film)	10	%	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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