

Alkathene® Ultra LDD203

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

LDD203 is a low density polyethylene designed for a variety of medium to heavy gauge (50-150µm) general purpose film applications. LDD203 is formulated with a process stabilisation and antiblock additive package but contains no slip additives.

LDD203 is intended for use in a medium to heavy gauge (50-150µm) general purpose film applications and blending into other film grades.

General Information			
Additive	Processing stabilizer		
	Anti-caking agent		
Features	Anti-caking property		
	General		
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/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.45	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	160	MPa	ASTM D882
2% secant, TD: 50 µm, blown film	190	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm, blown film	12.0	MPa	ASTM D882
TD: Yield, 50 µm, blown film	11.0	MPa	ASTM D882
MD: Broken, 50 µm, blown film	26.0	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	730	%	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	250	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.

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