

Exelene® LDPE 2000

Low Density Polyethylene

Montachem International, Inc.

Message:

Exelene® LDPE 2000 is a Low Density Polyethylene product. It can be processed by blown film, extrusion blow molding, or film extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Exelene® LDPE 2000 include additive/masterbatch, bags/liners, bottles, film and food contact applications.

Characteristics include:

Antioxidant

Clarity

Food Contact Acceptable

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Medium Clarity		
Uses	Bags		
	Blending		
	Blow Molding Applications		
	Bottles		
	Film		
	Shrink Wrap		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Blown Film		
	Extrusion Blow Molding		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.923	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus ¹			ASTM D882A
2% Secant, MD	172	MPa	
2% Secant, TD	200	MPa	
Tensile Strength ²			ASTM D882A
MD : Break	24.1	MPa	
TD : Break	18.6	MPa	
Tensile Elongation ³			ASTM D882A

MD : Break	350	%	
TD : Break	700	%	
Dart Drop Impact ⁴ (970 μm)	100	g	ASTM D1709A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	111	°C	DSC
Optical	Nominal Value	Unit	Test Method
Opacity	4	%	ASTM D1003
NOTE			
1.	5.1 mm/min		
2.	510 mm/min		
3.	510 mm/min		
4.	F50		

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