

Exelene® LLDPE 1801

Linear Low Density Polyethylene

Montachem International, Inc.

Message:

Exelene® LLDPE 1801 is a Linear Low Density Polyethylene product. It can be processed by blown film or film extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Exelene® LLDPE 1801 include film, food contact applications, labels and packaging.

Characteristics include:

Antiblock

Antioxidant

Food Contact Acceptable

Octene Comonomer

Slip

General Information			
Additive	Antiblock		
	Antioxidant		
	Slip		
Features	Antiblocking		
	Antioxidant		
	Food Contact Acceptable		
	Octene Comonomer		
	Slip		
Uses	Film		
	Food Packaging		
	Labels		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus ¹			ASTM D882A
2% Secant, MD	172	MPa	
2% Secant, TD	214	MPa	
Tensile Strength ²			ASTM D882A
MD : Yield	11.0	MPa	

TD : Yield	12.1	MPa	
MD : Break	51.4	MPa	
TD : Break	37.2	MPa	
Tensile Elongation ³			ASTM D882A
MD : Break	520	%	
TD : Break	670	%	
Dart Drop Impact ⁴ (970 μm)	210	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	260	g	
TD	640	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	DSC
Optical	Nominal Value	Unit	Test Method
Opacity	10	%	ASTM D1003
NOTE			
1.	5.1 mm/min		
2.	510 mm/min		
3.	510 mm/min		
4.	F50		

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