

Exelene® LLDPE 1600

Linear Low Density Polyethylene

Montachem International, Inc.

Message:

Exelene® LLDPE 1600 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 1600 include bags/liners, additive/masterbatch, film and food contact applications.

Characteristics include:

Antioxidant

Food Contact Acceptable

Hexene Comonomer

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Hexene Comonomer		
Uses	Blending		
	Film		
	Heavy-duty Bags		
	Liners		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.919	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.95	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus ¹			ASTM D882A
2% Secant, MD	207	MPa	
2% Secant, TD	179	MPa	
Tensile Strength ²			ASTM D882A
MD : Break	32.8	MPa	
TD : Break	24.0	MPa	
Tensile Elongation ³			ASTM D882A
MD : Break	520	%	
TD : Break	780	%	
Dart Drop Impact ⁴ (970 µm)	160	g	ASTM D1709A

Elmendorf Tear Strength			ASTM D1922
MD	400	g	
TD	630	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	124	°C	DSC
Optical	Nominal Value	Unit	Test Method
Opacity	21	%	ASTM D1003
NOTE			
1.	5.1 mm/min		
2.	510 mm/min		
3.	510 mm/min		
4.	F50		

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