

Exelene® LLDPE 1601

Linear Low Density Polyethylene

Montachem International, Inc.

Message:

Applications:

Bags for re-packing powdered foods or grains such as rice, pulses, salt, sugar, flour and cereals

1-10 kg Bags for packing powdered foods and grains such as rice, pulses, salt and sugar

Bags for packing powdered substances for domestic and industrial use such as detergents, sand and gravel.

Characters:

The Exelene resin LLDPE 1601 meets the requirements of section 177.1520, paragraph C, from chapter 21 denominated "Olefin Polymers" from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

General Information			
Additive	Antiblock		
	Antioxidant		
	Slip		
Features	Antiblocking		
	Antioxidant		
	Food Contact Acceptable		
	Low Density		
	Slip		
Uses	Bags		
	Food Packaging		
	Food Service Applications		
	Non-specific Food Applications		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c)		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.917	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.95	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength ¹			ASTM D882
-- ²	248	MPa	
-- ³	207	MPa	
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	25	μm	
Tensile Strength ⁴			ASTM D882A
MD : Break	32.8	MPa	
TD : Break	24.0	MPa	
Tensile Elongation ⁵			ASTM D882A
MD : Break	520	%	
TD : Break	780	%	
Dart Drop Impact ⁶ (38000 μm)	160	g	ASTM D1709A
Elmendorf Tear Strength ⁷			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
Haze	21	%	ASTM D1003
NOTE			
1.	5.1 mm/min		
2.	TD, 1% secant		
3.	MD, 1% secant		
4.	510 mm/min		
5.	510 mm/min		
6.	F50, 66 cm		
7.	23°C; 1.600 gf		

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