

Exelene® LDPE 2501

Low Density Polyethylene

Montachem International, Inc.

Message:

Applications:

0,5 - 1,0 kg bags for packing powdered foods and grains such as rice, pulses, salt, sugar and flour

High clarity and shinny bags for packing solid foods such as bread, tarts, vegetables and fruits

Bags for packing personal and domestic products such as gloves, silverwear, drinking glases and napkins

Characteristics:

The Exelene resin LDPE 2501 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		
	High Clarity		
	Low Density		
	Slip		
Uses	Bags		
	Food Packaging		
	Food Service Applications		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520(c)		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength ¹			ASTM D882
-- ²	190	MPa	
-- ³	172	MPa	
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	38	μm	
Tensile Strength ⁴			ASTM D882A
MD : Break	21.0	MPa	
TD : Break	17.9	MPa	
Tensile Elongation ⁵			ASTM D882A
MD : Break	260	%	
TD : Break	540	%	
Dart Drop Impact ⁶ (38000 μm)	110	g	ASTM D1709A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	111	°C	DSC
Optical	Nominal Value	Unit	Test Method
Haze	5.0	%	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		

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