



Exelene® LDPE

Product Data Sheet

Low Density Polyethylene

LDPE Medium Use - High Clarity

Blow Film Extrusion

2501

Melt Flow Rate **2,5**

Density **0,923**

Applications

- 0,5 – 1,0 kg bags for packing powdered foods and grains such as rice, pulses, salt, sugar and flour
- High clarity and shiny bags for packing solid foods such as bread, tarts, vegetables and fruits
- Bags for packing personal and domestic products such as gloves, silverwear, drinking glasses 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.

Grade	Additives Package
Exelene LDPE 2501	Antioxidant, Slip Agent, Antiblock Agent

Properties	ASTM Testing	Units	Values	
Resin Properties				
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	2.50	
Density	D 792 (23°C)	g/cm ³	0.923	
Melting Point	DSC	°C	111	
Blow Film Properties with thickness of 1,5 mils = 38,1 µm y BUR = 2,5				
Tensile Strength @ break ⁽¹⁾	MD	D 882A (20 in/min)	psi	3,050
	TD		psi	2,600
Elongation @ break	MD	D 882A (20 in/min)	%	260
	TD		%	540
Flexural Strength	MD	D 882A (0,2 in/min; 1%)	psi	25,000
	TD		psi	27,500
Impact Resistance by the Free Falling Dart Method	D 1709A (F50; 38 mm; 66 cm)	gf	109	
Opacity	D 1003	%	5.0	

(1) MD = Machine Direction and TD = Transversal Direction

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