



Exelene® LDPE

Product Data Sheet

Low Density Polyethylene

LDPE Good Clarity

Blown Film Extrusion

2001

Melt Flow Rate 2

Density 0.921

Applications

- Blown film extrusion, flexible packaging applications
- Blow Molding - Extrusion of flexible bottles
- LDPE + EVA Foam and Reticulated laminates

Characteristics

- The Exelene resin LDPE 2001 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 2001	Antioxidant, Slip and Antiblock

Properties		ASTM Testing	Units	Values
Resin Properties				
Melt Flow Rate	MFI ₂	D 1238 (190°C; 2,16 kgf)	g/10 min	2
Density		D 792 (23°C)	g/cm ³	0.921
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	3,500
	TD		psi	2,700
Elongation @ break	MD	D 882A (20 in/min)	%	350
	TD		%	700
Flexural Strength	MD	D 882A (0,2 in/min; 1%)	psi	25,000
	TD		psi	29,000
Impact Resistance by the Free Falling Dart Method		D 1709A (F50; 38 mm; 66 cm)	gf	100
Opacity		D 1003	%	7

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

