



# Exelene® LDPE

## Product Data Sheet

**Low Density Polyethylene**  
**LDPE Good Clarity**  
**Blow Film Extrusion**  
**Blow Molding - Extrusion**

# 2001

**Melt Flow Rate 2.0**

**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	
<b>Resin Properties</b>				
Melt Flow Rate	MFI <sub>2</sub> D 1238 (190°C; 2,16 kgf)	g/10 min	2.00	
Density	D 792 (23°C)	g/cm <sup>3</sup>	0.921	
Melting Point	DSC	°C	111	
<b>Blow Film Properties with thickness of 1,5 mils = 38,1 µm y BUR = 2,5</b>				
Tensile Strength @ break <sup>(1)</sup>	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	%	6.5	

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

