



Exelene® LDPE

Product Data Sheet

Low Density Polyethylene
LDPE Medium Use - Medium Clarity
Blow Film Extrusion
Blow Molding - Extrusion

2000

Melt Flow Rate **2,0**

Density **0,923**

Applications

- Medium abuse Shrink Film
- Blow Molding - Extrusion of flexible bottles
- LDPE + EVA Foam and Reticulated laminates

Characteristics

- The Exelene resin LDPE 2000 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 2000	Antioxidant

Properties	ASTM Testing	Units	Values	
Resin Properties				
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	2.00	
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	3,500
	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	%	9.0	

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

