



Exelene® LDPE

Product Data Sheet

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

2000

Melt Flow Rate **2**

Density **0.921**

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.

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 1505	g/cm ³	0.921
Tensile Strength @ break ⁽¹⁾	MD	D 638 (20 in/min)	psi	3,500
	TD		psi	2,700
Elongation @ yield		D 638 (50 in/min)	%	14
Flexural Strength	1% Secant Modulus	D 790	psi	32,000
	2% Secant Modulus		psi	26,000
Vicat Softening Point		D 1525	°C	92
Hardness, Shore D		D 2280		44.0
Low Temperature Brittleness, F50		D 746	°C	-35.0
Opacity / Haze		D1003	%	7.0

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