



Exelene® LDPE

Product Data Sheet

Low Density Polyethylene
LDPE - High Clarity
Blow Film Extrusion

4001

Melt Flow Rate 4,0

Density 0,923

Applications

- Clothes Covers for Laundromats
- Protective bags for bananas in plantations

Characteristics

- The Exelene resin LDPE 4001 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 4001	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	4.00	
Density	D 792 (23°C)	g/cm ³	0.923	
Melting Point	DSC	°C	108	
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	3,000
	TD		psi	2,200
Elongation @ break	MD	D 882A (20 in/min)	%	250
	TD		%	600
Flexural Strength	MD	D 882A (0,2 in/min; 1%)	psi	20,000
	TD		psi	22,000
Impact Resistance by the Free Falling Dart Method	D 1709A (F50; 38 mm; 66 cm)	gf	95	

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