



Exelene[®] LDPE

Product Data Sheet

Low Density Polyethylene
Semi-Heavy Duty LDPE
Blown Film Extrusion

0700

Melt Flow Rate **0.70**

Density **0.922**

Applications

- Shrink Film for Semi-Heavy Duty
- Frozen Food Packaging

Characteristics

- The Exelene resin LDPE 0700 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	0.70
Density		D 792 (23°C)	g/cm ³	0.922
Melting Point		DSC	°C	110
Blow Film Properties with thickness of 2,0 mils = 50,8 µm y BUR = 2,5				
Tensile Strength @ break ⁽¹⁾	MD	D 882A (20 in/min)	psi	4,800
	TD		psi	3,100
Elongation @ break	MD	D 882A (20 in/min)	%	200
	TD		%	800
Flexural Strength	MD	D 882A (0,2 in/min; 1%)	psi	28,000
	TD		psi	32,000
Impact Resistance by the Free Falling Dart Method		D 1709A (F50; 38 mm; 66 cm)	gf	110
Haze		D 1003	%	4.0

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