



# Exelene<sup>®</sup> LDPE

## Product Data Sheet

### Low Density Polyethylene Semi-Heavy Duty LDPE Blow 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	
<b>Resin Properties</b>				
Melt Flow Rate	MFI <sub>2</sub> D 1238 (190°C; 2,16 kgf)	g/10 min	0.70	
Density	D 792 (23°C)	g/cm <sup>3</sup>	0.922	
Melting Point	DSC	°C	110	
<b>Blow Film Properties with thickness of 2,0 mils = 50,8 µm y BUR = 2,5</b>				
Tensile Strength @ break <sup>(1)</sup>	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

