



# Exelene<sup>®</sup><sub>m</sub> LLDPE

## Product Data Sheet

**Linear Low-Density Polyethylene**  
**LLDPE-Metallocene**  
**Blown Film Extrusion**

# 1900

Melt Flow Rate **1**

Density **0.919**

### Applications

- Packaging Films, Agricultural Films, General Packaging, Blown Film, Bread Bags
- Trash bags, trash can liners, multi layer packaging

### Characteristics

- The Exelene resin LLDPE 1900 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	1
Density		D 792 (23°C)	g/cm <sup>3</sup>	0.919
Melting Point		DSC	°C	119
<b>Additives Package</b>				
<b>Film Properties</b>				
Tensile Strength @ yield <sup>(2)</sup>	MD	D 882A (20 in/min)	psi	1,270
	TD		psi	1,220
Tensile Strength @ break	MD	D 882A (20 in/min)	psi	6,570
	TD		psi	4,610
Elongation @ break	MD	D 882A (20 in/min)	%	470
	TD		%	550
Flexural Strength	MD	D 882A (0,2 in/min; 1%)	psi	26,000
	TD		psi	27,000
Elmendorf Tear Strenght	MD	D 1922	g	247
	TD		g	465
Impact Resistance by the Free Falling Dart Method		D 1709A (F50; 38 mm; 66 cm)	gf	380
Haze		D 1003	%	10
Gloss 45°		D 2457		42

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

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