



# Exelene<sup>®</sup> LLDPE

## Product Data Sheet

### Linear Low-Density Polyethylene LLDPE-Metallocene Blow Film Extrusion

# 1901

Melt Flow Rate **1.00**

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 1901 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	1.00
Density		D 792 (23°C)	g/cm <sup>3</sup>	0.919
Melting Point		DSC	°C	119
Additives Package	Antiblock, Slip, Processing Aid, Thermal Stabilizer			
<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	25,000
	TD		psi	26,000
Impact Resistance by the Free Falling Dart Method		D 1709A (F50; 38 mm; 66 cm)	gf	580
Gloss		D 2457		42

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

#### Reach

- Polyethylene are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) and relevant additives have been registered. Please see related Declaration of Compliance for Plastic Food Contact Materials (DoC for PFCM).