



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

Product Data Sheet

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

## 1903

Melt Flow Rate **0.4**

Density **0.924**

**Applications**

- Good clarity and gloss, compatible with LDPE and LLDPE resins
- Good tear strength, impact, tear resistance and stiffness
- Shrink film, heavy duty sacks, multilayer and laminated food packaging

**Characteristics**

- The Exelene resin LLDPE 1903 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	0.4
Density	D 792 (23°C)	g/cm <sup>3</sup>	0.924
Melting Point	D 3417	°C	119
<b>Film Properties</b>			
Elmendorf Tear	MD	D 1922	gf
	TD		gf
Tensile Strength @ break	MD	D 882A (20 in/min)	psi
	TD		psi
Elongation @ break	MD	D 882A (20 in/min)	%
	TD		%
1% Secant Modulus	MD	D 882A (20 in/min)	psi
	TD		psi
Dart Impact	D 1709	g	300
Haze	D 1003	%	8
Gloss	D 2457		59

(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).

<http://www.montachem.com>