



Exelene[®] 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
Resin Properties			
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2.16 kgf)	g/10 min	0.4
Density	D 792 (23°C)	g/cm ³	0.924
Melting Point	D 3417	°C	119
Film Properties			
Elmendorf Tear	MD D 1922	gf	350
	TD	gf	800
Tensile Strength @ break	MD D 882A (20 in/min)	psi	6,500
	TD	psi	6,000
Elongation @ break	MD D 882A (20 in/min)	%	700
	TD	%	800
1% Secant Modulus	MD D 882A (20 in/min)	psi	33,000
	TD	psi	34,000
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>

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