



Exelene[®] LLDPE

Product Data Sheet

Linear Low-Density Polyethylene LLDPE-Metallocene Blow Film Extrusion

1900

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 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	
Resin Properties				
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	1.00	
Density	D 792 (23°C)	g/cm ³	0.919	
Melting Point	DSC	°C	119	
Additives Package				
Film Properties				
Tensile Strength @ yield ⁽²⁾	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