



Exelene[®]_m LLDPE

Product Data Sheet

**Linear Low Density Polyethylene
Metallocene - Hexene Copolymer
Blown Film Extrusion**

2901

Melt Flow Rate 2

Density 0.919

Applications

- Blown Film, retail and food packaging applications, freezer films and other industrial applications
- Ideal material for blends with LDPE, thin gauge films as well as multilayer film applications

Characteristics

- The Exelene resin mLLDPE 2901 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.

Grade	Additives Package
Exelene mLLDPE 2901	Antioxidant, Slip Agent, Antiblock Agent, Processing Aid

Properties	ASTM Testing	Units	Values	
Resin Properties				
Melt Flow Rate	MFI ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	2	
Density	D 792 (23°C)	g/cm ³	0.919	
Blow Film Properties with thickness of 1,5 mils = 38,1 µm y BUR = 2,5				
Tensile Strength @ break ⁽¹⁾	MD	D 882A (20 in/min)	psi	6,000
	TD		psi	4,500
Elongation @ break	MD	D 882A (20 in/min)	%	500
	TD		%	600
Flexural Strength	MD	D 882A (0,2 in/min; 1%)	psi	24,000
	TD		psi	25,500
Impact Resistance by the Free Falling Dart Method	D 1709A (F50; 38 mm; 66 cm)	gf	660	
Opacity	D 1003	%	5.5	

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

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