

Exelene® LLDPE 2901

Linear Low Density Polyethylene

Montachem International, Inc.

Message:

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 LLDPE 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.

General Information	
Additive	Antiblock
	Antioxidant
	Processing Aid
	Slip
Features	Antiblocking
	Antioxidant
	Food Contact Acceptable
	Good Processability
	Low Density
	Slip
Uses	Food Packaging
	Food Service Applications
	Industrial Applications
	Multilayer Film
	Non-specific Food Applications
Agency Ratings	FDA 21 CFR 177.1520(c)
Processing Method	Blown Film
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.917	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength ¹			ASTM D882
-- ²	176	MPa	
-- ³	165	MPa	

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	μm	
Tensile Strength ⁴			ASTM D882A
MD : Break	41.4	MPa	
TD : Break	31.0	MPa	
Tensile Elongation ⁵			ASTM D882A
MD : Break	500	%	
TD : Break	600	%	
Dart Drop Impact ⁶ (38000 μm)	750	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Haze	5.5	%	ASTM D1003

NOTE

1. 5.1 mm/min
2. TD, 1% secant
3. MD, 1% secant
4. 510 mm/min
5. 510 mm/min
6. F50, 66 cm

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