

# CERTENE™ LDF-219A

Low Density Polyethylene  
Muehlstein

Message:

LDF-219A is a certified prime resin specially designed to meet the requirements of most 1 to 3 mils thickness Blown film liner applications. LDF-219A features easy processability. Large lot size and superior lot-to-lot uniformity ensure consistent film production. Minimum recommended film thickness is 1.0 mil. LDF-219A contains no slip and no antiblock. LDF-219A complies with FDA regulation 21CFR 177.1520 (c) 2.1 + 2.2 and with most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Low density		
	Workability, good		
	Compliance of Food Exposure		
Uses	Films		
	Lining		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
secant modulus			ASTM D882
1% secant, MD: 38 µm	175	MPa	ASTM D882
1% secant, TD: 38 µm	205	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm	10.0	MPa	ASTM D882
TD: Yield, 38 µm	10.0	MPa	ASTM D882
MD: Fracture, 38 µm	25.0	MPa	ASTM D882
TD: Fracture, 38 µm	19.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	350	%	ASTM D882
TD: Fracture, 38 µm	600	%	ASTM D882
Dart Drop Impact (38 µm)	85	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922

MD : 38 μm	580	g	ASTM D1922
TD : 38 μm	120	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	10		ASTM D2457
Haze	5.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 190	°C	

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#### Recommended distributors for this material

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