

# CERTENE™ LDF-720A

Low Density Polyethylene

Muehlstein

## Message:

LDF-720A is a certified prime extrusion coating resin specially designed for providing optimal neck-in and draw-down performance with minimal taste/odor contribution. LDF-720A is used in flexible packaging and paper board coating applications such as liquid/juice, laminate tube, condiment pouches, dry and snack foods packaging, sugar pouches, and lidding stock. LDF-720A maximum recommended line speed is 1500 fpm (457m/min) with a minimum coating weight of 4.4 lb/ream (7g/m²). LDF-720A contains no slip and no antiblock. LDF-720A complies with FDA regulation 21CFR177.1520 (c)2.2 and with most international regulations concerning the polyethylene use in contact with food articles.

General Information			
Features	Lower odor transfer		
	Lower taste transfer		
	Good stripping		
	Good flexibility		
	Low shrinkage		
	Compliance of Food Exposure		
Uses	Food packaging		
	Coating application		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm	228	MPa	ASTM D882
1% secant, TD: 25 µm	276	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	9.65	MPa	ASTM D882
TD: Yield, 25 µm	8.96	MPa	ASTM D882
MD: Break, 25 µm	20.7	MPa	ASTM D882
TD: Break, 25 µm	14.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	150	%	ASTM D882
TD: Break, 25 µm	500	%	ASTM D882
Dart Drop Impact <sup>1</sup> (25 µm)	30	g	ASTM D1709A

Elmendorf Tear Strength			ASTM D1922
MD : 25 $\mu\text{m}$	150	g	ASTM D1922
TD : 25 $\mu\text{m}$	110	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 $\mu\text{m}$ , Blown Film)	70		ASTM D2457
Haze (25.4 $\mu\text{m}$ , Blown Film)	6.5	%	ASTM D1003
Additional Information			
Film Specimen: 1.0 mils (25 $\mu\text{m}$ ) film, melt temperature 300-340°F (150-170°C), blow-up-ratio 2.5 :1			
Extrusion	Nominal Value	Unit	
Maximum production line speed	7.6	m/sec	
Minimum coating weight	7.2	g/m <sup>2</sup>	
NOTE			
1.	F50		

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#### Recommended distributors for this material

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