

# CERTENE™ LDF-0422B

Low Density Polyethylene  
Muehlstein

Message:

LDF-0422B is a certified prime resin designed for Blown films requiring good strength, excellent shrink, and good optics and abrasion resistance. Typical applications include Heavy Duty packaging, Shrink wrap, C&A film and Container liners. It features easy processability with a minimum recommended film thickness of 2 mils. LDF-0422B contains no slip and a medium level of antiblock. LDF-0422B complies with FDA regulation 21CFR 177.1520(c) 2.2, conditions of use B-H.

General Information			
Additive	Moderate caking resistance		
Features	Optical		
	Workability, good		
	Good strength		
	Good wear resistance		
	Compliance of Food Exposure		
Uses	Moderate caking resistance		
	Packaging		
	Films		
	Lining		
	Shrinkable film		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2 conditions of use B-H		
Forms	Particle		
Processing Method	Blow film		
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)	0.40	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	Minimum 2 mils		
Dart Drop Impact (50 µm)	220	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	110	g	ASTM D1922
TD : 50 µm	130	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525
Peak Melting Temperature	111	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method

Gloss (60°, 50.8 μm)	104		ASTM D2457
Haze (50.8 μm)	6.5	%	ASTM D1003
Additional Information			

Film Specimen: 2.0 mils (50 μm) film, blow-up-ratio 2.5 :1.

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Recommended distributors for this material

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