

CERTENE™ LDF-0422J

Low Density Polyethylene
Muehlstein

Message:

LDF-0422J is a certified prime resin designed for Blown films requiring good strength, excellent shrink, and good 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-0422J contains no slip and a high level of antiblock. LDF-0422J complies with FDA regulation 21CFR 177.1520(c) 2.2, conditions of use B-H.

General Information			
Additive	High caking resistance		
Features	High caking resistance		
	Workability, good		
	Good strength		
	Good wear resistance		
	Compliance of Food Exposure		
Uses	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	0.923	g/cm ³	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)	170	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	140	g	ASTM D1922
TD : 50 µm	130	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525
Peak Melting Temperature	111	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 50.8 µm)	89		ASTM D2457
Haze (50.8 µm)	11	%	ASTM D1003

Additional Information

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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

