

CERTENE™ LDF-420A

Low Density Polyethylene
Muehlstein

Message:

LDF-420A is a certified prime resin specially designed to meet the requirements of most 1 to 3 mils thickness Blown film liner applications. LDF-420A 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-420A contains no slip and no antiblock. LDF-420A complies with FDA regulation 21CFR 177.1520 (c) 2.2 and with most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Workability, good		
	Compliance of Food Exposure		
Uses	Lining		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Film Thickness - Recommended / Available	Minimum 1.0 mil (25 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 ¹ (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°, 38.0 µm, Blown Film)	10		ASTM D2457

Haze (38.0 μm, Blown Film)	5.0	%	ASTM D1003
Additional Information			
Film Specimen: 1.5 mils (38 μm) film, melt temperature 320-380°F (160-190°C), blow-up-ratio 2.25 :1.			
NOTE			
1.	F50		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT