

CERTENE™ LDF-720A (BF)

Low Density Polyethylene

Muehlstein

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Technical Data

Product Description

LDF-720A is a certified prime resin specially designed for production of high drawdown thin gauged high clarity Blown films. LDF-720A features excellent combination of easy processability at high extrusion rates and very good balance of film mechanical properties. Films display very good color stability and superior heat seal performance. LDF-720A applications include films for garment laundry and dry cleaning, banana tree shroud bags, and produce bags. Maximum recommended film drawdown is 0,5 mils. LDF-720A contains no slip and no antiblock. LDF-720A complies with FDA regulation 21CFR 177.1520 (c) 2.2 and most international regulations concerning the use of Polyethylene in contact with food articles.

General

Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Features	• Food Contact Acceptable	• Good Drawdown	• Good Processability
	• Good Color Stability	• Good Heat Seal	
Uses	• Film	• Food Packaging	• Laundry Bags
Agency Ratings	• FDA 21 CFR 177.1520(c) 2.2		
Forms	• Pellets		
Processing Method	• Blown Film		

Physical	Nominal Value Unit	Test Method
Density	0.922 g/cm ³	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	
1% Secant, TD : 25 µm	276 MPa	
Tensile Strength		ASTM D882
MD : Yield, 25 µm	9.65 MPa	
TD : Yield, 25 µm	8.96 MPa	
MD : Break, 25 µm	20.7 MPa	
TD : Break, 25 µm	14.5 MPa	
Tensile Elongation		ASTM D882
MD : Break, 25 µm	150 %	
TD : Break, 25 µm	500 %	
Dart Drop Impact ² (25 µm)	30 g	ASTM D1709A
Elmendorf Tear Strength		ASTM D1922
MD : 25 µm	150 g	
TD : 25 µm	110 g	

Optical	Nominal Value Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	70	ASTM D2457
Haze (25.4 µm, Blown Film)	6.50 %	ASTM D1003

Additional Information

Film Specimen: 1.0 mils (25 µm) film, melt temperature 300-340°F (150-170°C), blow-up-ratio 2.5 :1

Notes

¹ Typical properties: these are not to be construed as specifications.

² F50

