CERTENE™ LDF-722F

Low Density Polyethylene

Muehlstein

Message:

LDF-722F is a certified prime resin specially designed for production of high drawdown thin gauged high clarity Blown films. LDF-722F 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-722F 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-722F contains high slip and high antiblock. LDF-722F 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 Information			
Additive	High smoothness High caking resistance		
Features	High smoothness High caking resistance Workability, good Good stripping Good heat sealability Good color stability Definition, high Compliance of Food Exposure		
Uses	Food packaging Laundry bag		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	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 [1] (25 µm)	30	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	150	g	ASTM D1922
TD : 25 µm	110	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	70		ASTM D2457
Haze (25.4 µm, Blown Film)	6.5	%	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			
NOTE			
1.	F50		

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

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