

CERTENE™ LLBF-118A

Linear Low Density Polyethylene
Muehlstein

Message:

LLBF-118A is a certified prime resin with Butene-comonomer, designed for production of Blown films used in general purpose packaging. LLBF-118A features excellent combination of easy processability with good film strength as well as wide heat sealing temperature range. LLBF-118A applications include garment bags, produce bas and liners. LLBF-118A contains NO slip and NO antiblock. LLBF-118A complies with FDA regulation 21CFR 177.1520(c)3.2a, conditions of use A-H per 21CFR 176.170(c), Table 2.

General Information			
Features	Butene comonomer		
	Workability, good		
	Good heat sealability		
	Compliance of Food Exposure		
	General		
Uses	Packaging		
	Films		
	Lining		
	Bags		
	General		
Agency Ratings	FDA 21 CFR 176.170(c), Table 2 Conditions of use A- H		
	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	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	221	MPa	ASTM D882
1% secant, TD: 25 µm	248	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	10.3	MPa	ASTM D882
TD: Yield, 25 µm	11.0	MPa	ASTM D882
MD: Break, 25 µm	36.5	MPa	ASTM D882
TD: Break, 25 µm	27.6	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Break, 25 µm	550	%	ASTM D882
TD: Break, 25 µm	700	%	ASTM D882
Dart Drop Impact ¹ (25 µm)	90	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	150	g	ASTM D1922
TD : 25 µm	300	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	35		ASTM D2457
Haze (25.4 µm, Blown Film)	18	%	ASTM D1003
Additional Information			
1.0 mil (25 µm) film; melt temperature 410-415°F; blow-up-ratio 2.5 :1.			
NOTE			
1.	F50		

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