

CERTENE™ LLBF-218A

Linear Low Density Polyethylene
Muehlstein

Message:

LLBF-218A is a certified prime resin with Butene-comonomer designed for production of Cast or Blown film for Stretch-Cling and General Purpose applications. LLBF-218A features easy processability, good film strength and a broad heat sealing range. LLBF-218A major applications include stretch-cling, garment bags, produce bags and liners. LLBF-218A contains no slip and no antiblock. LLBF-218A complies with FDA regulation 21CFR 177.1520(c) 3.1a.

General Information	
Features	Butene comonomer Workability, good Good strength Good heat sealability General
Uses	Films Lining Bags Stretch winding General Laundry bag
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a
Forms	Particle
Processing Method	Blow film cast 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)	2.0	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	172	MPa	ASTM D882
1% secant, TD: 25 µm	186	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	10.0	MPa	ASTM D882
TD: Yield, 25 µm	10.0	MPa	ASTM D882
MD: Break, 25 µm	32.0	MPa	ASTM D882

TD: Break, 25 µm	25.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	650	%	ASTM D882
TD: Break, 25 µm	700	%	ASTM D882
Dart Drop Impact ¹ (25 µm)	95	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	100	g	ASTM D1922
TD : 25 µm	350	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	40		ASTM D2457
Haze (25.0 µm, Blown Film)	14	%	ASTM D1003
Additional Information			
Film Specimen: 1.0 mils (25 µm) film, blow-up-ratio 2.5 :1.			
NOTE			
1.	F50		

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