

CERTENE® LLGF-120B

Linear Low Density Polyethylene
Muehlstein

Message:

LLGF-120B is a certified prime resin with Octene-comonomer, designed for production of Blown films requiring excellent toughness and sealability, and easy processability. LLGF-120B applications include heavy-duty shipping sacks, food packaging and freezer films. LLGF-120B contains NO slip, Medium antiblock and does contain Process Aid. LLGF-120B complies with FDA regulation 21CFR 177.1520(c)3.1a.

General Information			
Features	Copolymer		
	Workability, good		
	Good heat sealability		
	Good toughness		
	Compliance of Food Exposure		
	Octene comonomer		
Uses	Packaging		
	Films		
	Food packaging		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	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	175	MPa	ASTM D882
1% secant, TD: 25 µm	195	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	48.0	MPa	ASTM D882
TD: Break, 25 µm	31.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	470	%	ASTM D882
TD: Break, 25 µm	650	%	ASTM D882

Dart Drop Impact ¹ (25 µm)	270	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	400	g	ASTM D1922
TD : 25 µm	600	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	60		ASTM D2457
Haze (25.0 µm, Blown Film)	10	%	ASTM D1003
Additional Information			
Film Specimen: 1.0 mil (25 µm) film, blow-up-ratio 2.5 :1.			
NOTE			
1.	F50		

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