

# CERTENE™ LLHF-117XJ

Linear Low Density Polyethylene  
Muehlstein

Message:

LLHF-117XJ is a certified prime, Ethylene-Hexene Copolymer developed for extrusion of Super Strength blown films needing outstanding impact and Toughness. LLHF-117XJ features good processability and exhibits exceptional Elmendorf Tear strength and Puncture resistance. LLHF-117XJ major applications include high strength liners (industrial and consumer), super strong carry-on-bags and industrial packaging. LLHF-117XJ contains No slip and High antiblock. LLHF-117XJ complies with FDA regulation 21CFR 177.1520(c)3.2a, conditions of use B - H as described in Table 2 of 21 CFR 176.170(c). LLHF-117XJ also complies with most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Copolymer		
	hexene comonomer		
	Perforation resistance		
	Impact resistance, high		
	Workability, good		
	Good tear strength		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	Lining		
	Bags		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a 1		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm <sup>3</sup>	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	
Tensile Strength			ASTM D882
MD: Yield, 25 µm	11.4	MPa	ASTM D882
TD: Yield, 25 µm	11.3	MPa	ASTM D882
MD: Break, 25 µm	39.3	MPa	ASTM D882
TD: Break, 25 µm	29.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	700	%	ASTM D882

TD: Break, 25 µm	850	%	ASTM D882
Dart Drop Impact (25 µm)	400	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	380	g	ASTM D1922
TD : 25 µm	700	g	ASTM D1922

#### Additional Information

Film Specimen: 1.0 mil (25 µm) film, blow-up-ratio 2.5 :1.

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#### 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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