

SureSpec LLC6-008

Linear Low Density Polyethylene

Genesis Polymers

Message:

LLC6-008 is a Hexene copolymer certified resin designed for production of Blown films requiring a combination of good film stiffness and toughness. LLC6-008 contains no slip, medium antiblock and process aid. LLC6-008 complies with FDA regulation 21CFR 177.1520(c)3.2a and with most international regulations concerning the use of Polyethylene in contact with food articles. LLC6-008 is available in high antiblock, high slip and process aid.

AVAILABLE FORMULATIONS

- B = Barefoot
- A = 0 Slip / High Anti Block
- F = Full Adds

General Information			
Additive	Medium Antiblock Processing Aid		
Features	Copolymer		
	Food Contact Acceptable		
	Good Stiffness		
	Good Toughness		
	Hexene Comonomer		
	Low Density		
	Medium Antiblocking		
Uses	Blown Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm	290	MPa	
1% Secant, TD : 25 µm	345	MPa	ASTM D882
Tensile Strength			
MD : Break, 25 µm	55.2	MPa	
TD : Break, 25 µm	34.5	MPa	ASTM D882
Tensile Elongation			
MD : Break, 25 µm	400	%	

TD : Break, 25 µm	700	%	
Dart Drop Impact (25 µm)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	300	g	
TD : 25 µm	650	g	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.4 µm, Blown Film)	65		ASTM D2457
Haze (25.4 µm, Blown Film)	18	%	ASTM D1003

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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

