

# SureSpec LLC8-010

Linear Low Density Polyethylene

Genesis Polymers

## Message:

SureSpec LLC8-010 is a certified prime grade Ethylene-Octene Copolymer certified prime resin developed for production of High Performance Blown films of outstanding mechanical properties. LLC8-010 features easy processability and films exhibit very good Elmendorf Tear and include high toughness, impact strength and puncture resistance. Maximum recommended film drawdown is 0.4 mil. LLC8-010 contains no slip and no antiblock. LLC8-010 complies with FDA regulation 21CFR 177.1520 (c) 3.2(a) and most international regulations concerning the use of Polyethylene in contact with food articles.

### AVAILABLE ADDITIVES

B = Barefoot

A = 0 Slip/ High Antiblock

F = Full Additives

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Good Tear Strength		
	Good Toughness		
	High Impact Resistance		
	Low Density		
	Octene Comonomer		
	Puncture Resistant		
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	0.920	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	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm	186	MPa	
1% Secant, TD : 25 µm	207	MPa	ASTM D882
Tensile Strength			
MD : Yield,25 µm	10.0	MPa	
TD : Yield,25 µm	10.0	MPa	
MD : Break, 25 µm	48.0	MPa	
TD : Break, 25 µm	44.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 µm	440	%	
TD : Break, 25 µm	770	%	
Dart Drop Impact <sup>1</sup> (25 µm)	330	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	400	g	
TD : 25 µm	730	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	45		ASTM D2457
Haze (25.0 µm, Blown Film)	14	%	ASTM D1003
NOTE			
1.	F50		

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