

SureSpec LLSC6-007

Linear Low Density Polyethylene

Genesis Polymers

Message:

LLSC6-007 is a Super Hexene Copolymer certified prime resin developed for blown film with outstanding Impact Strength and Toughness. LLSC6-007 features good processability and exhibits exceptional Elmendorf Tear strength and Puncture resistance. LLSC6-007 complies with FDA regulation 21CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact. LLSC6-007 also complies with 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		
	Hexene Comonomer		
	High Impact Resistance		
	Low Density		
	Puncture Resistant		
Uses	Blown Film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Tensile Strength			
MD : Yield,25 µm	8.96	MPa	
TD : Yield,25 µm	8.96	MPa	
MD : Break, 25 µm	40.7	MPa	
TD : Break, 25 µm	33.1	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm	690	%	ASTM D882
TD : Break, 25 µm	960	%	
Dart Drop Impact (25 µm)	550	g	ASTM D1709

Elmendorf Tear Strength		ASTM D1922
MD : 25 μ m	420	g
TD : 25 μ m	680	g

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