

# SureSpec LD20-008

Low Density Polyethylene

Genesis Polymers

## Message:

LD20-008 is a certified prime resin specially designed for production of shrink wrapping Blown films for case bundling applications requiring excellent shrink performance, very high toughness, good puncture and burn-through resistance. LD20-008 is also recommended for impact liner films. It features easy processability with excellent film optical and mechanical properties. Minimum recommended film thickness is 1.5 mils. LD20-008 contains no slip and no antiblock.

General Information			
Features	Good Processability		
	High Shrinkage		
	Low Density		
	Opticals		
	Puncture Resistant		
	Ultra High Toughness		
Uses	Blown Film		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	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	38	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 38 µm	186	MPa	
1% Secant, TD : 38 µm	235	MPa	ASTM D882
Tensile Strength			
MD : Yield,38 µm	12.0	MPa	
TD : Yield,38 µm	12.0	MPa	
MD : Break, 38 µm	31.0	MPa	
TD : Break, 38 µm	23.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	220	%	
TD : Break, 38 µm	550	%	ASTM D1709A
Dart Drop Impact <sup>1</sup> (25 µm)	95	g	
Elmendorf Tear Strength			ASTM D1922

MD : 38 μm	720	g	
TD : 38 μm	140	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μm, Blown Film)	60		ASTM D2457
Haze (25.0 μm, Blown Film)	6.8	%	ASTM D1003
NOTE			
1.	F50		

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#### Recommended distributors for this material

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