

SureSpec LD20-002

Low Density Polyethylene

Genesis Polymers

Message:

LD20-002 is a certified prime resin specially designed for production of heavy duty Blown films for industrial applications requiring excellent mechanical properties. LD20-002 features easy processability and films exhibit high toughness, high impact and tear strength, and excellent shrinkage properties. Minimum recommended film thickness is 2.5 mils. LD20-002 contains no slip and medium antiblock.

General Information			
Additive	Medium Antiblock		
Features	Good Processability		
	Good Tear Strength		
	High Impact Resistance		
	High Shrinkage		
	Low Density		
	Medium Antiblocking		
	Ultra High Toughness		
Uses	Blown Film		
	Industrial Applications		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 51 µm	173	MPa	
1% Secant, TD : 51 µm	207	MPa	ASTM D882
Tensile Strength			
MD : Yield,51 µm	13.0	MPa	
TD : Yield,51 µm	13.0	MPa	
MD : Break, 51 µm	32.0	MPa	
TD : Break, 51 µm	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	200	%	
TD : Break, 51 µm	600	%	
Dart Drop Impact (51 µm)	260	g	ASTM D1709A

Elmendorf Tear Strength		ASTM D1922
MD : 51 μm	600	g
TD : 51 μm	150	g

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Recommended distributors for this material


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