

SureSpec LD20-080

Low Density Polyethylene

Genesis Polymers

Message:

LD20-080 is a certified prime resin designed for production of coatin blown films and laminates. LD20-080 features very good color stability and easy processability. Films exhibit good mechanical properties, resistance to pinholing and excellent heat seal performance. Maximum recommended drawdown is 0.5 mils. LD20-080 contains no slip and no antiblock.

General Information			
Features	Good Color Stability		
	Good Heat Seal		
	Good Processability		
	Low Density		
Uses	Blown Film		
	Coating Applications		
	Laminates		
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)	8.0	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	228	MPa	
1% Secant, TD : 25 µm	275	MPa	ASTM D882
Tensile Strength			
MD : Yield,25 µm	11.0	MPa	
TD : Yield,25 µm	11.0	MPa	
MD : Break, 25 µm	18.0	MPa	
TD : Break, 25 µm	18.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm	330	%	
TD : Break, 25 µm	600	%	
Dart Drop Impact ¹ (25 µm)	50	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	350	g	
TD : 25 µm	120	g	

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	75		ASTM D2457
Haze (25.4 µm, Blown Film)	5.5	%	ASTM D1003
NOTE			
1.	F50		

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