

SureSpec LD20-050

Low Density Polyethylene

Genesis Polymers

Message:

SureSpec LD 20-050 is a certified prime grade resin designed for extrusion coating applications used in general purpose packaging. LD 20-050 features a combination of easy processability, good heat seal and good WVTR. Applications include liquid packaging, folding cartons, cup stocks and general paper and board coating. LD20-050 complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Low density		
	Workability, good		
	Good heat sealability		
	Compliance of Food Exposure		
Uses	Packaging		
	Cup		
	General		
	Coating application		
	Paper coating		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Oxygen Transmission Rate	7300	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate	18	g/m ² /24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	101	°C	ASTM D1525
Peak Melting Temperature	108	°C	ASTM D3418
Additional Information			
Test Made on injection molded Type 1 tension test specimen according to ASTM D2146			

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