

PRIMALENE WPP502B

Low Density Polyethylene

Southern Polymer, Inc.

Message:

A fractional melt low density polyethylene

Applications:

Agricultural film

Construction film

Heavy duty bags

Pallet shrink film

Zipper bags

Features:

Excellent strength properties

Outstanding processability

Slip: zero

Antiblock: 4000 ppm

General Information			
Additive	Antiblock (4000 ppm)		
Features	Antiblocking		
	Good Processability		
	High Strength		
	Low Density		
	Opticals		
Uses	Agricultural Applications		
	Bags		
	Construction Applications		
	Film		
	Heavy-duty Bags		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	159	MPa	
1% Secant, TD	166	MPa	
Tensile Strength			ASTM D882
MD : Yield	8.69	MPa	
TD : Yield	9.03	MPa	
MD : Break	17.9	MPa	
TD : Break	20.6	MPa	

Tensile Elongation			ASTM D882
MD : Break	430	%	
TD : Break	610	%	
Dart Drop Impact	600	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	610	g	
TD	640	g	
Thermal	Nominal Value	Unit	
Peak Melting Temperature	110	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	50		ASTM D2457
Haze	15	%	ASTM D1003

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