

PRIMALENE WPP512D

Low Density Polyethylene

Southern Polymer, Inc.

Message:

A 2.0 melt low density polyethylene

Applications:

Blend partner

Food packaging

Form film and seal packaging

Produce bags

Textile packaging

Features:

Superior impact strength

Superior heat sealability

Slip: 750 ppm

Antiblock: 1500 ppm

General Information			
Additive	Antiblock (1500 ppm)		
	Slip (750 ppm)		
Features	Antiblocking		
	Good Heat Seal		
	Good Impact Resistance		
	Heat Sealable		
	Low Density		
	Slip		
Uses	Bags		
	Blending		
	Film		
	Food Packaging		
	Packaging		
	Textile Applications		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	198	MPa	
1% Secant, TD	245	MPa	
Tensile Strength			ASTM D882

MD : Yield	10.1	MPa	
TD : Yield	10.3	MPa	
MD : Break	25.4	MPa	
TD : Break	19.2	MPa	
Tensile Elongation			ASTM D882
MD : Break	130	%	
TD : Break	540	%	
Dart Drop Impact	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	460	g	
TD	99	g	
Thermal	Nominal Value	Unit	
Peak Melting Temperature	111	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	66		ASTM D2457
Haze	7.0	%	ASTM D1003

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