

PRIMALENE WPP502

Low Density Polyethylene

Southern Polymer, Inc.

Message:

A fractional melt low density polyethylene

Applications:

Agricultural film

Blend partner

Construction film

Foams

Heavy duty bags

High performance collation shrink

Pallet shrink film

Profile extrusion

Features:

High strength properties

Medium optical properties

Slip: zero

Antiblock: zero

General Information			
Features	High Strength		
	Low Density		
	Opticals		
Uses	Agricultural Applications		
	Bags		
	Blending		
	Film		
	Foam		
	Heavy-duty Bags		
	Profiles		
Physical	Nominal Value	Unit	
Density	0.922	g/cm ³	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.33	g/10 min	
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	210	MPa	
1% Secant, TD	240	MPa	
Tensile Strength			ASTM D882
MD : Yield	12.0	MPa	
TD : Yield	11.0	MPa	
MD : Break	24.0	MPa	

TD : Break	22.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	500	%	
TD : Break	650	%	
Dart Drop Impact	320	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	400	g	
TD	750	g	
Thermal	Nominal Value	Unit	
Peak Melting Temperature	109	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	54		ASTM D2457
Haze	11	%	ASTM D1003

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