

# PRIMALENE WPP831PR

High Density (HMW) Polyethylene  
Southern Polymer, Inc.

Message:

A bimodal high molecular weight high density polyethylene  
Applications: - T-shirt bags  
Trash can liners  
Industrial liners  
Heavy duty bags  
Features: - Designed for high dart impact strength  
Good stiffness for thin gauge film applications  
FDA 21 CFR 177.1520

General Information			
Features	Food Contact Acceptable		
	Good Stiffness		
	High Density		
	High Molecular Weight		
Uses	Food Service Applications		
	Heavy-duty Bags		
	Industrial Applications		
	Laundry Bags		
	Liners		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.040	g/10 min	ASTM D1238
Melt Flow - High Load <sup>1</sup>	8.50	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break	62.1	MPa	
TD : Break	28.3	MPa	
Tensile Elongation			ASTM D882
MD : Break	300	%	
TD : Break	410	%	
Dart Drop Impact	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	14	g	
TD	25	g	

Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	55.0	°C	DSC
NOTE			
1.	Condition: 190°C/21.6 kg		

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#### Recommended distributors for this material

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