



# SOUTHERN POLYMER

An **AUDIA**® Company



## PRIMALENE®

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## WPP831P

High molecular weight polyethylene

### TYPICAL APPLICATIONS:

- Blown film
- Bags, liners, and sacks

### Features:

- Exceptional impact and toughness
- High stiffness

Physical Properties	Typical Values*	Test Method(s)
Melt Index (190 °C/2.16 kg)	0.06 g/10 min	
High Load Melt Index (190 °C/21.6 kg)	10 g/10 min	D-1238
Density	0.952 g/cm <sup>3</sup>	
Peak Melting Temperature	267 °F 130 °C	
Tensile Strength, Yield MD TD	5,500 psi 38 MPa 4,800 psi 33 MPa	D-882
Tensile Strength, Break MD TD	12,000 psi 80 MPa 10,000 psi 70 MPa	D-882
Elongation, Break MD TD	270% 380%	D-882
1% Secant Modulus MD TD	150,000 psi 1,100 MPa 160,000 psi 1,100 MPa	D-882
Dart Drop Impact	300 g	D-1709A
Elmendorf Tear Strength MD TD	7 g 30 g	D-1922

\* Values given are typical and should not be interpreted as product specification. To obtain values for specific application purposes, contact your Southern Polymer representative.

The results reported are typical and based on reliable testing procedures. However, due to variable processing methods and conditions, no guarantees or warranties are expressed or implied, including expressions of fitness for purpose or merchantability. No recommendations are made to infringe on patents.