



PRIMALENE®

Southern Polymer

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 ³	
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