



PRIMALENE®

Southern Polymer

WPP831

High molecular weight polyethylene

TYPICAL APPLICATIONS:

- Agricultural products
- Automotive fittings, fuel tanks
- Drums
- Food packaging
- Heavy gauge sheet
- Large part blow molding
- Pallets
- Portable fuel tanks
- Thermoformed parts

Features:

- Excellent stress crack resistance
- High impact strength and good rigidity

Physical Properties	Typical Values*	Test Method(s)
Melt Index (190 °C/2.16 kg)	<0.10 g/10 min	D-1238
High Load Melt Index (190 °C/21.6 kg)	10 g/10 min	D-1238
Density	0.949 g/cm ³	D-4883
Tensile Strength, Yield (2 in/min)	3,800 psi	D-638
Flexural Modulus	180,000 psi	D-790
ESCR, Condition B (100% Igepal), F ₅₀	>800 h	D-1693
Brittleness Temperature	<-105 °F	D-746
Vicat Softening Temperature	248 °F	D-1525
Tensile Impact Strength -40 °F 73 °F	100 ft-lb/in ² 120 ft-lb/in ²	D-1822