



PRIMALENE®

Southern Polymer

WPP822

A high molecular weight high density polyethylene

TYPICAL APPLICATIONS:

- 55-gallon drums
- Industrial tanks

Features:

- Outstanding impact resistance
- Outstanding creep resistance
- Excellent ESCR
- Excellent chemical resistance
FDA 21 CFR 177.1520 (c) 3.2a

Physical Properties	Typical Values*	Test Method(s)
Melt Flow Rate (HLMI, 190 °C/21.6)	5.5 g/10 min	D-1238
Density	0.954 g/cm ³	D-1505
Tensile Strength, Yield (2 in/min)	4200 psi	D-638
Elongation, Break (2 in/min)	800%	D-638
Flexural Modulus, Tangent (0.5in/min)	195,000 psi	D-638
ESCR, Condition B (100% Igepal) F ₅₀	>1000 h	D-1693
Durometer Hardness, Shore D	60	D-2240
Vicat Softening Temperature	259°F	D-1525
Heat Deflection Temperature	165 °F	D-648
Brittleness Temperature	<-103 °F	D-746
Tensile Impact	215 ft-lb/in ²	D-1822