



SOUTHERN POLYMER

An **AUDIA**® Company



PRIMALENE®

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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

* 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.