



SOUTHERN POLYMER

An **AUDIA**® Company



PRIMALENE®

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WPP820

A high molecular weight high density polyethylene

TYPICAL APPLICATIONS:

- Drums
- Small engine fuel tanks
- Automotive and portable fuel tanks
- Containers
- Compression molding
- Food packaging
- Large part blow molding
- Thermoformed parts
- Heavy gauge sheet

Features:

- Superior stress crack resistance
- High impact strength
- Outstanding melt strength
- Excellent processability
FDA approved

Physical Properties	Typical Values*	Test Method(s)
High Load Melt Index (190 °C/21.6kg)	5.5 g/10 min	D-1238
Melt Index (190 °C/C.16kg)	<0.10 g/10 min	D-1238
Density	0.946 g/cm ³	D-4883
Brittleness Temperature	<-105 °F	D-746
Vicat Softening Temperature	261 °F	D-1525
Tensile Strength, Yield	3,480 psi	D-638
Tensile Elongation, Break	1,100%	D-638
Flexural Modulus, Tangent	149,000 psi	D-790
ESCR, Condition A (100% Igepal)	>1000 h	D-1693
Tensile Impact Strength (73 °F)	200 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.