



PRIMALENE®

Southern Polymer

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 |