

# PRIMALENE WPP513D

Low Density Polyethylene

Southern Polymer, Inc.

Message:

A 2.0 melt low density polyethylene

Applications:

Cast film  
Compounding/Blend Partner

Foams  
Food packaging

Form fill and seal packaging  
Freezer film

Lamination film  
Light duty shrink film

Liners  
Produce and mail bags

Textile packaging  
Tough medium sized molding

Features: - Superior impact strength  
Superior heat sealability

Slip: 750 ppm  
Antiblock: 1000 ppm

| General Information |                        |
|---------------------|------------------------|
| Additive            | Antiblock (1000 ppm)   |
|                     | Slip (750 ppm)         |
| Features            | Antiblocking           |
|                     | Good Heat Seal         |
|                     | Good Impact Resistance |
|                     | Heat Sealable          |
|                     | Low Density            |
|                     | Slip                   |
| Uses                | Bags                   |
|                     | Blending               |
|                     | Cast Film              |
|                     | Compounding            |
|                     | Film                   |
|                     | Food Packaging         |
|                     | Liners                 |
|                     | Packaging              |
| Processing Method   | Textile Applications   |
|                     | Cast Film              |
|                     | Compounding            |

| Physical                                  | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Density                                   | 0.923         | g/cm <sup>3</sup> |             |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.0           | g/10 min          | ASTM D1238  |
| Films                                     | Nominal Value | Unit              | Test Method |
| Secant Modulus                            |               |                   | ASTM D882   |
| 1% Secant, MD                             | 210           | MPa               |             |
| 1% Secant, TD                             | 230           | MPa               |             |
| Tensile Strength                          |               |                   | ASTM D882   |
| MD : Yield                                | 11.0          | MPa               |             |
| TD : Yield                                | 11.0          | MPa               |             |
| MD : Break                                | 25.0          | MPa               |             |
| TD : Break                                | 22.0          | MPa               |             |
| Tensile Elongation                        |               |                   | ASTM D882   |
| MD : Break                                | 330           | %                 |             |
| TD : Break                                | 550           | %                 |             |
| Dart Drop Impact                          | 79            | g                 | ASTM D1709  |
| Elmendorf Tear Strength                   |               |                   | ASTM D1922  |
| MD  | 150           | g                 |             |
| TD  | 120           | g                 |             |
| Thermal                                   | Nominal Value | Unit              |             |
| Peak Melting Temperature                  | 110           | °C                |             |
| Optical                                   | Nominal Value | Unit              | Test Method |
| Gloss (45°)                               | 63            |                   | ASTM D2457  |
| Haze                                      | 6.1           | %                 | ASTM D1003  |

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