

# TECHNICAL DATA SHEET\*

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## PTW4511

### 2.3 Mil White Polypropylene

#### Description

#### Product

Face: 2.3 Mil White Polypropylene

Adhesive: 705VHP

Liner: 3.2 SCK

#### Total Construction

Caliper (Approx): 6.2 mils +/- 10%

#### Face

A white opaque, solid core, top-coated polypropylene semi-conformable film designed for excellent printing, converting and label dispensing. Proprietary top coating delivers excellent adhesion for superior graphics and print receptivity for various methods including UV Flexo, Water Flexo, Gravure, UV Inkjet and Hot Stamp. Proprietary adhesive receptive coating for enhanced adhesive anchorage.

#### Physical Properties

|                                | Typical Value    | Test Method |
|--------------------------------|------------------|-------------|
| Caliper                        | 0.0023 " +/- 10% | ASTM D2103  |
| Elongation at Break, % (YIELD) | 138 MD 88 CD     | ASTM D1922  |
| Tensile, lbs/in (YIELD)        | 20 MD 21 CD      | ASTM D589   |
| Opacity                        | 80               | ASTM D882   |

#### Adhesive

705VHP is a high-tack rubber-based permanent adhesive formulated to provide excellent adhesion to many difficult substrates. The heavier coat weight of adhesive allows for good flow characteristics which permit adhesion to most rough textured surfaces.

#### Physical Properties

|                                 | Typical Value                           | Test Method                 |
|---------------------------------|---|-----------------------------|
| 180° Peel Adhesion              |   |                             |
| Stainless Steel                 | 4.9 lbs / in                            | PSTC-101A (30 min. applied) |
| HDPE                            | 3.1 lbs / in                            | PSTC-101A (30 min. applied) |
| Loop Tack                       |   |                             |
| Stainless Steel                 | 4.9 lbs / in                            | PSTC-16A                    |
| HDPE                            | 3.5 lbs / in                            | PSTC-16A                    |
| <b>Temperature Ranges</b>       |   |                             |
| Minimum Application Temperature | <b>+20°F (-7°C)</b>                     |                             |
| Service Temperature             | <b>-65°F to +160°F (-54°C to +71°C)</b> |                             |

**Disclaimer:** Tested with 2.6 mil white BOPP film facestock at room temperature on standard lab panels. The service temperature listed is subject to limitations of the facestock and substrate used.

#### Liner

A semi-bleached calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications, where a more demanding liner may be needed.

#### Physical Properties

|              | Typical Value     | Test Method |
|--------------|-------------------|-------------|
| Caliper      | 0.0032 " +/- 10%  | TAPPI T-411 |
| Basis Weight | 52.5 lbs. +/- 10% | TAPPI T-410 |

#### Shelf Life

One year from the date of shipment, when stored at 72°F and 50% relative humidity.

\*This document represents typical values and is not considered a specification.

The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances please contact your Mactac sales representative to discuss your requirements for recommendations. If this is a printed Technical Data Sheet, it is an uncontrolled document. Please check the Mactac website for the latest, most-up-to-date version. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied.

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