



PERFORMANCE GUIDE

Represents Typical Values Only

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CPS9002

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Vivid™ 1.5 mil Clear Polystyrene/710VHP/2.5 mil SCK

| Description | Applications and End Uses | | |
|-------------------|--|----------------------------------|----------------------------|
| Product | <p>CPS9002 is a 1.5 mil clear polystyrene film with a quick tack permanent adhesive and a 2.4 mil semi-bleached super calendared kraft liner. The entire construction converts and prints on wider webs and higher-speeds than typical rubber based adhesive coated papers.</p> | | |
| Face | <p>Optically clear high gloss polystyrene is corona treated for printing. Designed for indoor use as a coupon base and as a primary label in non-conformable applications. Smooth containers should be used in labeling applications to avoid air bubble entrapment with automatic dispensing.</p> | | |
| | Physical Properties Without Adhesive | | |
| | Caliper | 1.5 mils | ASTM D2103 |
| | Tensile at Yield (MD/CD) | 15/15 lb/in | ASTM D882 |
| | Elongation at Yield | 4.6/5.0% | ASTM D882 |
| | Elongation at Break (MD/CD) | 48.5/5.0% | ASTM D882 |
| | 1% Secant Modulus (MD/CD) | 645/645 lb/in | ASTM D882 |
| | Tear Strength (MD/CD) | 15/25 | ASTM D1922 |
| Adhesive | <p>710VHP is a permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Very good high speed and wider web converting.</p> | | |
| | Physical Properties of Adhesive | | |
| | Thickness, inches | 0.0007 +/- 10% | |
| | Peel Adhesion, lbs./in. | Corrugate: 1.3 | PSTC-1 (30 min. applied) |
| | | HDPE: 1.8 | PSTC-1 (30 min. applied) |
| | | Stainless Steel: 2.7 | PSTC-1 (30 min. applied) |
| | Loop Tack (1"), lbs./in. | Corrugate: 2.3 | CTM-25 |
| | | HDPE: 3.2 | CTM-25 |
| | | Stainless Steel: 4.8 | CTM-25 |
| | Temperature Ranges | | |
| | Minimum Application | +20°F (-7°C) | CTM #45 Curwood |
| | Service Ranges | -65°F to +160°F (-54°C to +71°C) | Polyester Film Dry Surface |
| Liner | <p>A semi-bleached super calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll -to -roll applications.</p> | | |
| | Caliper, inches | 0.0024 +/- 10% | TAPPI T-411 |
| | Basis Weight, lbs. (24" x 36"/500 sheets) | 40 +/- 10% | TAPPI T-410 |
| Shelf Life | One year when stored at 72° F and 50% R.H. | | |

Opticlear® is a registered trademark of Morgan Adhesives Company

This product complies with CONEG regulations.

All MACTac Roll Label products meet the requirements of the Clean Air Act of 1990.

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 Performance Guide, it is an uncontrolled document. Please check the MACTac website for the latest, most up-to-date version at www.mactac.com

CALL 1-800-548-3456 for additional product information

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