



PERFORMANCE GUIDE

Represents Typical Values Only

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DSS9511

Durascan® S Thermal Transfer Film

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| Description | Applications and End Uses | | | |
|-------------------|---|--|----------------------------|--|
| Product | DDS9511 is a 3.2 mil thermal transfer printable coated white biaxially oriented polyethylene with a permanent acrylic adhesive and a 3.2 semi-bleached super calendar kraft liner. | Thermal transfer and prime labels requiring durability. Applications and markets include food, beverage, shipping, drum labels, piping, lumber, appliances, carpet backing, pallets. | | |
| Face | A high-density polyethylene film, clay coated to provide an excellent thermal transfer printing surface. | | | |
| | Physical Properties Without Adhesive | | | |
| | Caliper, inches | 0.0032 (3.2 mils) | ASTM D-2103 | |
| | Tensile, ppiw | 23 MD 22 CD | ASTM D-638 | |
| | Basis Weight, lbs. (25" x 38"/500 sheets) | 44 +/- 10% | TAPPI T-410 | |
| Adhesive | ST95 is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass and various plastic substrates. Considered to be latex glove friendly for use in some healthcare applications. | | | |
| | Physical Properties of Adhesive | | | |
| | Thickness, inches | 0.0007 +/- 10% | | |
| | Peel Adhesion, lbs./in. | 2.6 | PSTC-2 (30 min. applied) | |
| | Temperature Ranges | | | |
| | Minimum Application | +25°F (-4°C) | CTM #45 Curwood | |
| | Service Ranges | -75°F to +200°F (-59°C to +93°C) | Polyester Film Dry Surface | |
| Liner | A semi-bleached super calendar kraft liner excellent for die cutting, stripping for label dispensing. Primarily for roll -to -roll applications where a more demanding liner may be needed. | | | |
| | Caliper, inches | 0.0032 +/- 10% | TAPPI T-411 | |
| | Basis Weight, lbs. (24" x 36"/500 sheets) | 50 +/- 10% | TAPPI T-410 | |
| Shelf Life | One year when stored at 72° F and 50% R.H. | | | |

Durascan is a registered trademark of the Morgan Adhesives Company

The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, 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.

NOTE: Thermal transfer printing quality and bar code scannability are dependent upon the interworking of several elements; the ribbon, the printhead and the facstock. Please test all applications. Consult MACTac's Technical Marketing Department for guidelines regarding printer and ribbon compatibility.

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

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