



## DURASCAN® FILMS

*High-performing, versatile labels  
maintain their functionality after  
months of storage and handling*



### Roll Label

PSA-coated papers and films in roll-to-roll form. Extensive product options, available customization, varying roll lengths and widths, and customer friendly services, like our Mactac Precise<sup>SM</sup> Program, which offers a precise amount of material needed for small runs and limited applications.

[www.mactac.com/rolllabel](http://www.mactac.com/rolllabel)

Mactac® offers a wide variety of medium to high sensitivity paper and film **Direct Thermal** products that are ideal for use where high-reliability bar code scanning is required. Whether it's topcoating for added environmental resistance, or the ability to scan at higher wave lengths, Mactac has the facestock to meet your needs. By combining the appropriate facestock and adhesive to perform in your application, Mactac's product line offers you the solution.

# DURASCAN® FILMS

| Properties                                                                                     | Durascan L<br>3 Mil Matte White<br>BOPP       | Durascan S<br>3.2 Mil Matte<br>White Polyolefin<br>Synthetic | Smudge-proof<br>Kimdura<br>(90 Micron) | Durascan P<br>2.6 mil White<br>Polystyrene<br>Corona Treated | Durascan PCL* 2 Mil<br>Clear<br>Polystyrene<br>Corona Treated | Durascan F<br>2 Mil White TC PET |
|------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|
| Outdoor Durability                                                                             | 6 Months - 1 Year                             | 1-1.5 Years Outdoor                                          | 1-2 Years Outdoor                      | < 6 Months Outdoor                                           | < 6 Months Outdoor                                            | > One Year Outdoor               |
| Chemical Exposure                                                                              | Excellent                                     | Excellent                                                    | Excellent                              | Poor                                                         | Poor                                                          | Excellent                        |
| Water Resistance                                                                               | Excellent                                     | Excellent                                                    | Excellent                              | Excellent                                                    | Excellent                                                     | Excellent                        |
| Solvent Exposure                                                                               | Good                                          | Good                                                         | Good                                   | Poor                                                         | Poor                                                          | Excellent                        |
| Acid Resistance                                                                                | Excellent                                     | Excellent                                                    | Excellent                              | Good                                                         | Good                                                          | Excellent                        |
| Alcohol Resistance                                                                             | Excellent                                     | Excellent                                                    | Excellent                              | Poor                                                         | Poor                                                          | Excellent                        |
| UV Exposure                                                                                    | Good                                          | Good                                                         | Good                                   | Poor                                                         | Poor                                                          | Excellent                        |
| Abrasion Resistance                                                                            | Good                                          | Good                                                         | Good                                   | Good                                                         | Good                                                          | Good                             |
| Smudge Resistance                                                                              | Good                                          | Excellent                                                    | Excellent                              | Good                                                         | Good                                                          | Good                             |
| Overall Durability Rating                                                                      | Good                                          | Good                                                         | Good                                   | Moderate                                                     | Moderate                                                      | Good                             |
| Cost Requirement                                                                               | Moderate                                      | Moderate                                                     | Moderate                               | Low                                                          | Low                                                           | High                             |
| Application Surface                                                                            | Semi-Conformable                              | Semi-Conformable                                             | Semi-Conformable                       | Rigid                                                        | Rigid                                                         | Rigid                            |
| <b>Markets</b>                                                                                 |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| General Durable                                                                                | ✓                                             | ✓                                                            | ✓                                      |                                                              |                                                               | ✓                                |
| Industrial                                                                                     | ✓                                             | ✓                                                            | ✓                                      |                                                              |                                                               | ✓                                |
| Shelf Marking                                                                                  | ✓                                             |                                                              | ✓                                      |                                                              |                                                               |                                  |
| Horticultural                                                                                  |                                               |                                                              | ✓                                      | ✓                                                            |                                                               |                                  |
| Packaging Labels                                                                               | ✓                                             | ✓                                                            | ✓                                      | ✓                                                            | ✓                                                             |                                  |
| Shipping / Identification                                                                      | ✓                                             | ✓                                                            | ✓                                      | ✓                                                            | ✓                                                             |                                  |
| Medical                                                                                        | ✓                                             | ✓                                                            | ✓                                      |                                                              |                                                               |                                  |
| Drum Label                                                                                     |                                               | ✓                                                            | ✓                                      |                                                              |                                                               | ✓                                |
| Long Term Durable                                                                              |                                               |                                                              | ✓                                      |                                                              |                                                               | ✓                                |
| <b>Stock Products/Adhesive Information-Minimum Application Temperature &amp; Service Range</b> |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| <b>General Purpose Permanents</b>                                                              |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| InFusion                                                                                       | +20°F (-7°C) App<br>-65°F to +150°F Range     | TL1701-P5                                                    | DSS1701                                |                                                              |                                                               |                                  |
| 710 VHP                                                                                        | +20°F (-7°C) App<br>-65°F to +150°F Range     |                                                              |                                        | MT9007                                                       | MT9008-78 P10                                                 |                                  |
| ST95                                                                                           | 25°F (-4°C) App<br>-75° to +200°F Range       | TL9501- P5, P10                                              | DSS9501                                | KF9501<br>KF9511                                             |                                                               | MT9510                           |
| <b>High-Tack Permanents</b>                                                                    |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| 705VHP                                                                                         | +20°F (-7°C) App<br>-65° to +150°F Range      |                                                              | DSS4501                                |                                                              |                                                               |                                  |
| 705VHP Hvy Ct. Wt.                                                                             | +20°F (-7°C) App<br>-65° to +150°F Range      |                                                              |                                        |                                                              |                                                               |                                  |
| XT100                                                                                          | +32° F (0°C) App<br>-75°F to +200°F Range     | TL9600-52                                                    |                                        |                                                              |                                                               |                                  |
| <b>Cold Temperature Permanents</b>                                                             |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| 640AT                                                                                          | -20°F (-29°C) App<br>-65°F to +200°F Range    | TL2601-P5                                                    |                                        |                                                              |                                                               |                                  |
| CHILL AT                                                                                       | -10°F (-23.33°C) App<br>-65°F to +150°F Range | TL7802-P5                                                    |                                        |                                                              |                                                               |                                  |
| 733                                                                                            | 0°F (-18°C) App<br>-65°F to +150°F Range      |                                                              | DSS5001                                |                                                              |                                                               |                                  |
| <b>Direct Food Contact</b>                                                                     |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| 711 VHP                                                                                        | +20°F (-70°C) App<br>-65°F to +120°F Range    | TL7002-P5                                                    |                                        |                                                              |                                                               |                                  |
| <b>Removable</b>                                                                               |                                               |                                                              |                                        |                                                              |                                                               |                                  |
| MR860 Removable                                                                                | +25°F (-4°C) App<br>-40°F to +200°F Range     | TL8602                                                       |                                        |                                                              |                                                               |                                  |
| HR-51                                                                                          | +32°F (0°C) App<br>-40°F to +200°F Range      | TL5102                                                       |                                        |                                                              |                                                               |                                  |

Information above is general guidelines in selecting a Thermal Transfer Film. As always, Mactac strongly recommends extensive testing to determine suitability.

NOTE: Precise Parts are subject to change.

\* Human Readable Only



Mactac North America