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Version #2 (1017)

Approved by J. S.

Product

Permacolor® EasyTouch™ TL7100
10 mil Matte PET Thermal Laminating Film

Product Description

Permacolor thermal overlaminating films are high quality, low temperature, heat activated films designed for the overlamination and encapsulation of graphic images. Permacolor protects the image from harmful ultra-violet (UV) light, moisture, dirt, oils and other potential contaminants. The use of Permacolor on one or two sides lends body to the graphic for easier handling and display.

TL7100 Series is a family of EasyTouch soft finished matte PET with a heat activated, polymeric adhesive on one side. The use of **TL7100** lends depth and vibrancy to underlying images without the haze typically associated with matte laminates. This hard coated product has built in scratch resistance and offers a no-glare surface where bright overhead lighting makes glossy finished films impossible to see.

Physical Properties

Product Thickness:	10 mil (2/8)
Surface Appearance:	EasyTouch Matte
pH:	Neutral
Gloss	1.9
Heat Seal Initiation Temperature	190°F (88°C)
Roll Wind:	Adhesive In
Core Size:	3" I.D.
Recommended Storage:	Rolls should be stored on end or suspended.

Recommended Applications:

Latex, Solvent, UV and	Book covers
Water-based inkjet images	Nameplates
Menu Finishing	Wide format graphics
Packaging	Consumer goods finishing

Shelf Life

Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends that rolls be stored on end or suspended from the core.

Limitations

1. The user is responsible for determining the product's suitability, including adhesion and if needed, removal characteristics when used in applications other than listed specifically in this Performance Guide.
2. If there are any questions about applications, please contact your Mactac sales representative to discuss your requirements for recommendations.
3. 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

Applications

The suggested laminating temperature is approximately 220°F (104°C) for 3-mil, 240°F (115°C) for 5-mil and 260°F (127°C) for 10-mil at a throughput speed of 3 ft./minute. The temperature and/or speed may need to be adjusted depending on the specific laminating equipment, thickness of the film, and desired throughput speed.

To increase production speed, a temperature increase of 10 - 20°F (5 - 10°C) may permit operating at 10 ft./minute.

A high temperature along with a slow running speed could cause blistering or waviness in the final laminate. Try reducing the temperature or increasing the speed to correct this problem.

A low temperature and a high running speed could result in incomplete bonding, poor adhesive wet-out (sometimes referred to as "silvering"). To correct this problem, be sure adequate laminating pressure is being used, raise the temperature slightly, or slow the running speed.

Note: Users should determine their own specific lamination conditions in order to optimize performance and operating efficiency on their equipment.

- Values given are typical for unprocessed product and are not for use as specifications. Processing may change the values.

CALL 1-800-321-8834 for additional product information

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