PG3000

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Approved by NG

Product

Permacolor® PG3000 Series
Gloss, Matte and Luster Overlaminates

Permacolor

The **Permacolor** system is a series of pressure sensitive products for mounting and overlaminating in the imaging industries. Pressure sensitive **Permacolor** provides fast, efficient processing through cold roll lamination techniques without the need for heat, drying or messy coating operations.

Product Description

The **PG3000 Series overlaminating films** are **promotional** pressure sensitive adhesive coated, clear 3.2 mil overlaminating films that are available in a variety of surface finishes. These films can be laminated to digital images including solvent- and eco-solvent inkjet, and water-based inkjet prints to impart protection from abrasion, moisture, UV light and other potentially damaging effects in both indoor and outdoor environments. These overlaminating films are coated on one side with a clear acrylic pressure sensitive adhesive with an easily removed 78# liner.

PG30 is **Gloss** vinyl film, **PG32** is **Matte** vinyl film and **PG33** is **Luster** vinyl film.

Physical Properties

Property	Typical Values	Test Method
Thickness, inches (µm)		ASTM-D645
Film plus adhesive	0.0040 (101)	
Total product	0.0055 (139)	
Quick Tack, lbs. /in² (N/25mm)		Mactac CTM-25
Stainless Steel	1.5 (6.5)	
Peel Adhesion lbs./in (N/25mm)		Mactac CTM-21 48 hours @ 158°F (70°C) Bonded to aluminum (Method D)
Stainless Steel		
- 30 min	3.1 (14)	
- 24 hrs.	3.8 (16.88)	
Dimensional Stability , inches (mm)		FTM-14
MD	0.02 (0.5)	
CD	0.02 (0.5)	
Gloss (60° angle)		ASTM D-523
Gloss	80	
Lustre	40	
Matte	15	

Durability

The durability of the film is up to 3 years outdoors. The durability of the image is mainly dependent upon the quality of the inks (see technical data sheets given by the ink manufacturers) and print media being used.

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**

Recommendations

1. A laminator is recommended to apply the overlaminate to the print media
2. Overlaminates should not be applied onto dusty or dirty prints.
3. Whenever possible, always test first to ensure ink and print media compatibility and end-use capability.

- *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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