



PERFORMANCE GUIDE

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Approved by J. S.

PRODUCT: LF6560 High Gloss Series Digital Overlaminating Films

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 **Digital Laminates Series** is a family of pressure sensitive adhesive coated; overlaminating high clarity films that are available in a variety of surface finishes. These films are specifically designed to be laminated to digital images (inkjet, electrostatic, and thermal) but will also work well on photographic prints and transparencies to impart protection from abrasion, moisture, UV light degradation and other potentially damaging effects in both indoor and outdoor environments. An easily removed white paper liner protects the adhesive.

LF6560 series is a 2.9 mil high gloss

<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL VALUES*</u>	<u>TEST METHOD</u>
Thickness, inches (µm)		ASTM D645
Film face	0.0029 (74)	
Film plus adhesive	0.0039 (99)	
Total product	0.0083 (210)	
Quick Tack, lbs. /in² (N/25mm)	2.3 (10)	FTM-9
180° Peel Adhesion, lb. /in (N/25mm)		FTM-1
Stainless Steel -30min.	2.9 (13)	
-24 hrs.	3.5 (16)	
Dimensional Stability, %		FTM-14
MD	0.6	
CD	0.3	
Adhesive pH	Neutral	TAPPI-529
Temperature Range Guidelines		
Application:	40°F to 120°F (4.5°C to 50°C)	

DURABILITY:

The durability of the film is 2 -3 years outdoors and 3 -5 years indoors. While all Permacolor overlaminating films have UV resistance built in to help extend the life of your image, the durability of the image is mainly dependent upon the quality of the inks (see technical data sheets given by the ink manufacturers) and pressure sensitive 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.

GENERAL COMMENTS

- ⇒ Where exposure to moisture, chemicals, solvents or high pressure wash is anticipated, MACtac recommends sealing the edges with varnish, silicone or other sealant to prevent penetration by these liquids.
- ⇒ Overlaminates should not be applied onto dusty or dirty prints.
- ⇒ The mounting board must be properly prepared prior to mounting the image. This may include wiping with alcohol, light sanding or surface sealing depending on the board. Contact your board supplier for their recommendation.
- ⇒ MACtac's pressure sensitive mounting films are intended for "Cold Roll Lamination" (40°F - 104°F). The addition of heat while simultaneous mounting with Thermal Overlaminates may result in curl or have other detrimental effects on the finished product.
- ⇒ Whenever possible, always test first to ensure end-use capability.

- 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.**

** Values given are typical and are not necessarily for use in specification.*

CALL 1-800-401-5005 for additional product information

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