



MARNOT® AG
 HARDCOAT ANTI-GLARE
 UV PRINTABLE POLYESTER

Marnot AG Anti-Glare is Tekra's highly durable abrasion, scratch and chemical resistant polyester film. It's anti-glare properties and toughness make it the ideal choice for use in both graphic arts and opto-electronic applications such as:

- Touchscreens and Flat Panel Displays
- LCD's and OLED's
- Printed Electronics and Membrane Switch Overlays

Features of Marnot AG include:

- Outstanding optical qualities and abrasion and scratch resistance
- Excellent resistance to household cleaners, oils and industrial solvents
- Superior adhesion to a variety of sputter coated metals and oxides

Marnot AG is available on Polyester in web widths up to 49" in 7 thicknesses.

TYPICAL VALUES ‡

Hardcoat Properties			Unit	
Abrasion Resistance	TM 10.85	N/A		
Pencil Hardness	TM 10.59	2H-3H		
Clarity	TM 10.76	>66	%	
Haze	TM 10.76	<8	%	
Light Transmission	TM 10.76	88	%	
Physical		Test Method	Value	Unit
Specific Gravity	ASTM D792	1.3954	g/c3	
Resistance to Humidity	720 hrs @100F, 100% RH	Pass		
Gloss Backpainted Flat Black 60 Degrees	TM 10.76	49-61	GU	
Gloss Clear over White Matte 60 Degrees	TM 10.76	81-99	GU	
Mechanical		Test Method	Value	Unit
Tensile Strength at	ASTM D882			
Yield, MD		13000	psi	
Yield, TD		13000	psi	
Break, MD		24000	psi	
Break, TD		27000	psi	
Tear Strength at Initiation	ASTM D1004	1000	g/mil	
Tear Strength at Propagation	ASTM D1922	16	g/mil	
Sheet Curl	24" by 24" sheet	<1/8"		
Thermal		Test Method	Value	Unit
Glass Transition		70C		
Shrinkage	30 min at 150C			
MD		0.2	%	
TD		0.1	%	

‡ These are typical values only and should not be confused with specification values. Specifications, tolerances and minimum values are available on request from your Tekra representative or from Tekra Corporation.

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CHEMICAL RESISTANCE

Chemical	One hour surface contact at 23C	24 hours surface contact at 23C
Acetone	Pass	Pass
Concentrated HCl	Pass	Fail
MEK	Pass	Pass
Toluene	Pass	Pass
Methylene Chloride	Pass	Pass
Isopropyl Alcohol	Pass	Pass
Cyclohexanone	Pass	Pass
Ethyl Acetate	Pass	Pass
Xylene	Pass	Pass
Brake Fluid	Pass	Pass
Butyl Cellosolve	Pass	Pass
Hexane	Pass	Pass
	24 hours surface contact at 23C	24 hours surface contact at 50C
Coffee	Pass	Pass
Fantastik ¹	Pass	Pass
Formula 409 ²	Pass	Pass
Windex w/Ammonia D ¹	Pass	Pass
Tide ³	Pass	Pass
Downy ³	Pass	Pass
20% Bleach	Pass	Pass
Mustard	Pass	Slight Stain
Mr. Clean ³	Pass	Pass
Ketchup	Pass	Pass
Tea	Pass	Pass
Tomato Juice	Pass	Pass
Lemon Juice	Pass	Pass
Grape Juice	Pass	Pass
Vinegar	Pass	Pass
Milk	Pass	Pass
Top Job ³	Pass	Pass
Armor All †	Pass	Pass
Ethanol	Pass	Pass
Salt Water	Pass	Pass
Sunscreen	Pass	Pass

¹ Registered Trademark of SC Johnson

² Registered Trademark of The Clorox Company

³ Registered Trademark of Proctor and Gamble

† Registered Trademark of ArmorAll Products Corp.

MASKING AND INTERLEAVING

Marnot PET can be configured with interleaving, mask on the second surface, or with no masking or interleaving.

CUSTOMIZABILITY

Marnot AG is stocked in roll and sheet form in 7 mil thickness. Any stock can be custom slit or sheeted for maximum convenience for your applications.

PROCESSABILITY

Tekra has made a good faith effort to validate the suitability of this product with common processing methods including screen printing, laser cutting, die cutting and embossing. However, because of the variability between different types of equipment, methods and processing conditions Tekra recommends that you work with your Tekra representative, your ink representative and your machine manufacturer to determine the substrates, inks, machinery and settings that work best in your particular situation.

The application suggestions, specifications and other data described here are based on experience that is believed by Tekra Corporation to be reliable. Because of the characteristics of these products, you should, before using these products in production, perform your own tests to determine to your satisfaction whether these products are acceptable and suitable for your particular purposes under your operation conditions.

Any order for these products will be subject to Tekra's terms and conditions of sale.



TEKRA CORPORATION
16700 W LINCOLN AVE
NEW BERLIN, WI 53151
800-448-3572

Branches:
Charlotte, NC
Orange, CA