

MARNOT® HS MATTE MAXPASS POLYESTER

Marnot films are a complete line of functional hardcoats designed for graphic arts applications.

Features of Marnot HS Matte MaxPass Polyester include:

- Uses thermally stabilized base film
- Available in 20, 35, 55, 75 and 90 GU matte levels
- Excellent abrasion and scratch resistance
- Outstanding for embossing and die cutting
- Excellent chemical resistance to common household cleaners and industrial solvents
- Second surface printability with solvent and UV inks, including clearing inks
- First surface printability with clear, matte and texture UV cure inks

Marnot HS Matte MaxPass Polyester is available in web width of 49" and in 7 mil thickness. Custom roll widths and sheet sizes are available.

TYPICAL VALUES ‡

Physical	Test Method	Value	Unit
Specific Gravity	ASTM D792	1.3954	g/cm3
Area Factor (Yield Factor)		0.5	Lb/in3
Clarity	TM 10.76	65-60-50-40-	%
Haze	TM 10.76	35 10-13-20-37-	%
Light Transmission	TM 10.76	50 91	%
Gloss Back painted Flat Black 60 Degrees	TM 10.15	55-45-33-20- 10	GU
Gloss Clear Over White Matte 60 degrees	TN 10.15	90-75-55-35-	GU
Mechanical	Test Method	Value	Unit
Abrasion Resistance (Delta)	TM 10.13	< ∆9	
Pencil Hardness (theoretical)	TM 10.97	H-2H	
Tensile Strength at	ASTM D882		
Yield, MD			
ricia, MD		13000	psi
Yield, MD		13000 13000	psi psi
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Yield, TD		13000	psi
Yield, TD Break, MD		13000 24000	psi psi
Yield, TD Break, MD Break, TD		13000 24000 27000	psi psi psi
Yield, TD Break, MD Break, TD	Test Method	13000 24000 27000 Value	psi psi psi Unit
Yield, TD Break, MD Break, TD Thermal Glass Transition		13000 24000 27000	psi psi psi
Yield, TD Break, MD Break, TD Thermal Glass Transition Shrinkage	Test Method 30 min at 150C	13000 24000 27000 Value 70	psi psi psi Unit
Yield, TD Break, MD Break, TD Thermal Glass Transition		13000 24000 27000 Value	psi psi psi Unit
Yield, TD Break, MD Break, TD Thermal Glass Transition Shrinkage		13000 24000 27000 Value 70	psi psi psi Unit

[‡] 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.

POST UV CURING CHEMICAL RESISTANCE

Acetone Concentrated HCI MEK Toluene Methylene Chloride Isopropyl Alcohol Cyclehexanone Ethyl Acetate Xylene Brake Fluid Butyl Cellosolve Hexane 24 Su Co 230 Coffee Fantastik 1 Par Par Su Co 230 Coffee Fantastik 1 Par Su Co Par Co	rface suntact ntact at co C 23 ss Pa	ass ail ass ass ass
Su Coffee Par Fantastik 1 Par	ss Pa	ass ass ass ass ass
Windex w/ Ammonia D 1 Tide 3 Downy 3 20% Bleach Mustard Mr. Clean 3 Ketchup Tea Tomato Juice Lemon Juice Grape Juice Vinegar Milk Armor All † Ethanol	rface su ntact at co C 50 ss Pa ss Pa	hours Inface Inf

MASKING AND INTERLEAVING

Marnot HS Matte MaxPass Polyester can be configured with interleaving, mask on the second surface, or with no masking or interleaving. If no protective interleaving or masking is selected, Tekra will not warranty against spot abrasions or other damage to the uncoated surface in transit.

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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.

Version 1.4 - October 2016

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- ² Registered Trademark of the Clorox Company
- ³ Registered Trademark of Proctor and Gamble
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