



Wide Format UV Inkjet Media

Product Data

JetView™ Marnot Advanced Polycarbonate for UV Inkjet

Product Description

JetView Polycarbonate is optimized for UV Inkjet printers. This is a clear film with one side featuring Tekra’s proprietary hardcoat for scratch resistance, chemical resistance, and abrasion resistance, while the other side has Tekra’s proprietary UV Inkjet receptive coating. Our coating is guaranteed to print for one year after purchase when stored at less than 72°F and less than 50% relative humidity.

Typical Applications

Point-of-purchase signs, displays, industrial graphics, membrane touch switch overlays, labels, and nameplates

Typical Property Values

Physical		Test Method	Value	Unit
Specific Gravity		ASTM D792	1.2	g/cm3
Area Factor (Yield Factor)			0.0433	Lb/in3
Clarity		TM 10.76	98	%
Haze		TM 10.76	0.2	%
Light Transmission		TM 10.76	92	%
Gloss Back painted Flat Black 60 Degrees		TM 10.15	92	GU
Gloss Clear over White Matte 60 Degrees		TM 10.15	164	GU
Mechanical		Test Method	Value	Unit
Abrasion Resistance		TM 10.13	5	%
Pencil Hardness		TM 10.121	hb	
Tensile Strength at		ASTM D882		
Yield			8400	psi
Break			8800	psi
Tear Strength at Initiation		ASTM D1004	640	g/mil
Tear Strength at Propagation		ASTM D1922	30	g/mil
Thermal		Test Method	Value	Unit
Glass Transition			153	C
Shrinkage		30 min at 120C		
MD			0.1	%
TD			0.1	%
Heat Aging		170 Hours at 82C	No Change	

In the event of any post-print processing applications, a minimum of 24 hours is recommended between printing and any additional processes. This is especially important for any processes that will come in direct contact with the ink, such as adhesive lamination. For best results, consult your ink manufacturer’s recommendation of ink post-cure time, as inks may vary. The applications suggestions, specifications and other data described here are based on experience that is believed by Tekra 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 Seller’s terms and conditions of sale.



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JetView Marnot Advanced Polycarbonate

As Manufactured Chemical Resistance

Chemical	
One Hour Continuous Surface Contact at 23C (73F)	
Acetone	Pass
Concentrated HCl	Pass
MEK	Pass
Toluene	Pass
Methylene Chloride	Fail
Isopropyl Alcohol	Pass
Cyclohexanone	Pass
Ethyl Acetate	Pass
Xylene	Pass
Brake Fluid	Pass
Butyl Cellosolve	Pass
Hexane	Pass
24 hour surface contact at 50C (122F)	
Coffee	Pass
Fantastik ¹	Pass
Formula 409 ²	Pass
Windex w/Ammonia D ¹	Pass
Tide ³	Pass
Downy ³	Pass
20% Bleach	Pass
Mustard	Pass
Mr. Clean ³	Pass
Ketchup	Pass
Tea	Pass
Tomato Juice	Pass
Lemon Juice	Pass
Grape Juice	Pass
Vinegar	Pass
Milk	Pass
Top Job ³	Pass
Armor All †	Pass
Ethanol	Pass
Salt Water	Pass
Sunscreen	Pass
Coppertone* SPF 70+	
- Spray	Pass
- Lotion	Pass
Deep Woods OFF ¹	
- 25% DEET	Pass

Masking and Interleaving

For best performance and yields, we recommend JetView Marnot Advanced Polycarbonate to be configured with mask on the first and second surface. Alternative options include the use of interleave as a replacement for the first surface mask.

Processability

Tekra continually works to enhance the performance characteristics of our products keeping ease and flexibility of processing in mind. Improvements include:

- First surface decoration performance after 10 print and curing cycles
- Excellent chemical resistance without the need for post curing
- Minimize micro cracking for deeper embossing

We continually validate our products with common processing methods including screen printing, laser cutting, die cutting, and embossing. For more information on our testing or to conduct your own tests on samples, please contact your Tekra sales representative.

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
* Registered Trademark of Schering Plough

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