



Hanita Coatings



I71407

INDIGO® OPTIMIZED SUBSTRATES

PRODUCT DATA

175 Micron (7 mil) 55% Gloss Unit Marnot™ Polyester

Dura-Go™ substrates are Indigo-licensed and were jointly developed by Hanita Coatings, Tekra Corporation and Indigo to create the premier product line of film substrates for Indigo digital presses.

Our proprietary primer coatings provide a number of benefits, including:

- Reliable, superior ink adhesion
- High definition of colors
- Long shelf life, guaranteed to print for one year after purchase when stored at less than 72F and less than 50% relative humidity.

The Dura-Go coating is highly resistant to weathering/degradation:

		Units	Test Conditions
Weatherability	2	Months	Outdoor
	24	Months	Indoor
Dish Washer	pass	N/A	1.5 hours, top cycle
Water and	200	Hours	65% RH at 80F
Chemical Resistance	200	Hours	Distilled Water at 90F
	2	Hours	Water + 2% detergent at 150F
	24	Hours	Ethanol at 75F

Marnot is Tekra's trademark hardcoated plastic film. In Indigo applications it is reverse printed and can be used as membrane switch overlays, product/brand labels and other durable label applications. Benefits of Marnot include good abrasion and chemical resistance, the ability of the Marnot surface to be textured and the ability to be embossed.

Polyester is a biaxially oriented plastic film frequently used in such applications as packaging, industrial, electronics and other specialty uses. Its flexibility encourages its use in control panel and membrane switch overlays. Polyester films are also highly desirable for their tensile strength and their ability to be heat stabilized, resulting in more precise registration of the film.

Physical	Test Method	Value					Unit
Specific Gravity	ASTM D792	1.3954					g/c3
Area Factor (Yield Factor)		0.05					Lb/in3
Clarity	ASTM D1746	70	58	50	34	25	%
Haze	ASTM D1003	8	10	16	29	55	%
Light Transmission	ASTM D1003	88					%
Water Absorption, Equilibrium	ASTM D570	1					%
Resistance to Humidity	720 hrs @100F, 100% RH	Pass					
Gloss Backpainted Flat Black	ASTM D523						
60 Degrees		55	45	33	20	10	GU
85 Degrees		-	-	-	-	-	
20 Degrees		-	-	-	-	-	
Gloss Clear over White Matte	ASTM D523						
60 Degrees		90	75	55	35	20	GU
85 Degrees		-	-	-	-	-	
20 Degrees		-	-	-	-	-	
Mechanical	Test Method	Value					Unit
Abrasion Resistance	ASTM D1044	5					
Pencil Hardness	ASTM D3363	H					
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
Thermal	Test Method	Value					Unit
Glass Transition		70C					
Shrinkage	30 min at 120C						
MD		0.5					%
TD		0.4					%

The application suggestions, specifications and other data described here are based on experience that is believed by Tekra Corporation and Hanita Coatings 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.

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

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