Hanita Coatings

TEKRA
A DIVISION OF EIS, INC.

DURA-Go
INDIGO® OPTIMIZED SUBSTRATES

I71107

PRODUCT DATA

Dura-Go® Clear Marnot™ Polyester 175 micron (7 mil)

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 trademarked 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.

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Typical Values**

Physical	Test Method	Value	Unit
Specific Gravity	ASTM D792	1.3954	g/cm³
Area Factor (Yield Factor)		0.05	lb/in³
Clarity	TM 10.76	99	%
Haze	TM 10.76	<1.5	%
Light Transmission	TM 10.76	91	%
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	Δ8	
Pencil Hardness	TM 10.97	H-2H	
Tensile Strength at	ASTM D882		
Yield, MD		13,000	psi
Yield, TD		13,000	psi
Break, MD		24,000	psi
Break, TD		27,000	psi
Tear Strength at Initiation	ASTM D1004	1,000	g/mil
Tear Strength at Propagation	ASTM D1922	16	g/mil
Thermal	**Test Method**	**Value**	**Unit**
Glass Transition		70	C
Shrinkage	30 min at 120°C		
MD		0.50	%
TD		0.40	%

***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, A Division of EIS, Inc.*

Chemical	1 hour Surface Contact at 23°C	4 hours Surface Contact at 23°C
Acetone	Pass	Pass
Concentrated HCl	Pass	Fail
MEK	Pass	Pass
Toluene	Pass	Pass
Methylene Chloride	Pass	Pass
Isopropyl Alcohol	Pass	Pass
Cyclehexanone	Pass	Pass
Ethyl Acetate	Pass	Pass
Xylene	Pass	Pass
Brake Fluid	Pass	Pass
Butyl Cellosolve	Pass	Pass
Hexane	Pass	Pass
	24 hour Surface Contact at 23°C	24 hours Surface Contact 50°C
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
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 Procter and Gamble

† Registered Trademark of ArmorAll Products Corp.

Disclaimer: Dura-Go® coated Marnot™ Polyester for the HP Indigo presses has a coating on it to accept the HP Indigo inks that is considered a "soft" coating. This coating has proved acceptable in a majority of applications including general overlay applications. However, in higher end applications that require consistent, optically clear window, the coating has proven to have very fine visual imperfections that can impair the ability to have high optical clarity in these windows. It is advised for any applications with windows, that you test the material first as Tekra will not be accepting any claims on Dura-Go® Marnot™ coated Polyester for optical clarity issues in a window.