Hanita Coatings

TEKRA
IT'S ALL ABOUT ANSWERS

DURA-Go

I71707

INDIGO® OPTIMIZED SUBSTRATES

PRODUCT DATA

175 Micron (7 mil) Textured ProTek® 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

ProTek is a Tekra 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 ProTek include good abrasion and chemical resistance, 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	1.395	g/cm³
Area Factor (Yield Factor)		0.05	lb/in³
Clarity	TM 10.76	16	%
Haze	TM 10.76	69	%
Light Transmission	TM 10.76	90	%
Gloss Back painted Flat Black 60 Degrees	TM 10.15	7	GU
Gloss Clear Over White Matte 60 Degrees	TM 10.15	17	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 150°C		
MD		0.20	%
TD		0.10	%

***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.*

As Manufactured Chemical Resistance

Chemical	
Four Hour Continuous Surface Contact at 23°C (73°F)	
Acetone	Pass
Concentrated HCl	Pass
MEK	Pass
Toluene	Pass
Methylene Chloride	Pass
Isopropyl Alcohol	Pass
Cyclohexanone	Pass
Ethyl Acetate	Pass
Xylene	Pass
Brake Fluid	Pass
Butyl Cellosolve	Pass
Hexane	Pass
24 hours Surface Contact 50°C (122°F)	
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	Slight Stain
Mr. Clean [3]	Pass
Ketchup	Pass
Tea	Slight Stain
Tomato Juice	Pass
Lemon Juice	Pass
Grape Juice	Pass
Vinegar	Pass
Milk	Haze
Armor All †	Pass
Ethanol	Pass
Salt Water	Pass
Coppertone* SPF 70+	
- Spray	Fail
- Lotion	Pass
Deep Woods OFF[1]	
'- 25% DEET	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

* Registered Trademark of Schering Plough