Hanita Coatings

TEKRA®

DURA-Go

HP INDIGO® OPTIMIZED SUBSTRATES

I72410

PRODUCT DATA

250 Micron (10 mil) 55% Gloss Unit Marnot™ Polycarbonate

Dura-Go™ substrates are HP Indigo-licensed and were jointly developed by Hanita Coatings, Tekra Corporation and HP 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.

		Units	Test Conditions
Weatherability	2	Months	Outdoor
	24	Months	Indoor
Dish Washer	pass	N/A	1.5 hours, top cycle
Water and Chemical Resistance	200	Hours	65% RH at 80F
	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 HP 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.

Polycarbonate films offer superior mechanical, thermal, electrical and optical properties for applications requiring high clarity/low haze, improved heat resistance or reduced glare. Thermal properties include the ability to withstand temperatures up to 284ºF (140ºC) for short periods. Polycarbonate film begins to soften at a point above the glass transition temperature of 350ºF (153ºC).

Typical values

Physical	Test Method	Value					Unit
Specific Gravity	ASTM D792	1.2					g/c3
Area Factor (Yield Factor)		0.0433					Lb/in3
Clarity	ASTM D1746	70	58	50	34	25	%
Haze	ASTM D1003	8	10	16	29	55	%
Light Transmission	ASTM D1003	91					%
Water Absorption, Equilibrium	ASTM D570	0.4					%
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	6	
Pencil Hardness	ASTM D3363	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		135C	
Heat Aging	170 Hours at 82C	No Change	
Shrinkage	30 min at 120C		
MD		0.1	%
TD		0.1	%

‡ *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.*