Hanita Coatings

TEKRA
IT'S ALL ABOUT ANSWERS

DURA-Go

INDIGO® OPTIMIZED SUBSTRATES

I01710

PRODUCT DATA

250 Micron (10 mil) DPF 5005 Weatherable Polycarbonate

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

Makrofol® DPF 5005 Weatherable polycarbonate applications typically include uses such as nameplates, automotive graphics, product identification and durable labels. DPF 5005 offers excellent clarity and flatness. It maintains its high light transmission and low yellowness index even after accelerated weathering. It has a velvet/very fine matte texture and offers second surface printability.

Makrofol DPF 5005 physical data include:

	Measure	Unit	Conditions
Dimensional Stability	<0.2% shrinkage	N/A	230 degrees F
Density	0.0437	lb./cu. in.	N/A
Water Absorption	0.44%	N/A	Immersion @ 73 degrees F for 24 hours
Tensile Strength	7,530	psi	N/A
Elongation at Break	110%	N/A	N/A
Haze	0.9%	N/A	N/A
Light Transmission	92.8%	N/A	N/A
Yellow Index	0.9%	N/A	N/A
UV Resistance- Xenon Arc		Yellowness Index	
300 Hours	0		
600 Hours	0.5		
800 Hours	0.6		
1000 Hours	0.9		
Taber Abrasion Resistance CS 10F wheel, 500 grams		Change in % Haze	
25 Cycles	9.8		
50 Cycles	14.2		
100 Cycles	18.8		
200 Cycles	20.4		

Thermal properties include the ability to withstand temperatures up to 284ºF (140ºC) for short periods. Makrofol film begins to soften at a point above the glass transition temperature of 350º (153ºC).

Makrofol DE and PC films are supplied on rolls up to 48” wide.

Dura-Go™ polycarbonate is available in either sheets or rolls.

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.