



Hanita Coatings



I85502

HP INDIGO® OPTIMIZED SUBSTRATES

PRODUCT DATA

50 Micron (2 mil) Chrome Polyester with 3M® P1400 Permanent Adhesive and a 90# liner

Dura-Go™ substrates are HP Indigo -licensed and were jointly developed by Hanita Coatings, Tekra Corporation and Indigo to create the premier product line of film substrates for HP 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 | 100% RH at 100F |
| Chemical Resistance | 200 | Hours | Distilled Water at 90F |
| | 2 | Hours | Water + 2% detergent at 150F |
| | 24 | Hours | Ethanol at 75F |

Product **I85502** is a 50 micron (2 mil) chrome polyester film coated one side with Indigo primer and is laminated with permanent adhesive and a 90# liner. One application of this product is as a face material in the manufacture of PSA labels, traditionally used in electronic and various industrial markets.

Polyester films are also highly desirable for their tensile strength, superior chemical resistance and high heat resistance, resulting in enhanced registration of the film.

Physical properties include:

| | Measure | Unit | Conditions |
|-------------------------|---------|------|--------------------|
| Tensile Strength, MD | 14,286 | psi | N/A |
| Tensile Strength, TD | 22,857 | psi | N/A |
| Elongation at Break, MD | 90% | N/A | N/A |
| Elongation at Break, TD | 60% | N/A | N/A |
| Shrinkage, MD | 3% | N/A | 5 minutes at 375 F |
| Shrinkage, TD | 1 % | N/A | 5 minutes at 375 F |

MD=Machine Direction, TD=Transverse Direction

3M® P1400 permanent adhesive properties include:

Note: Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.0 mil of adhesive on a polished stainless steel panel

| | | |
|--------------------------------|------------------------------------|-------------------------------------------------|
| Peel Adhesion | 2.2 lbs/in (528 N/m) | TLMI Method, 180° Peel, 12"/min, 1" wide sample |
| Loop Tack | 1.8 lbs/in (316 N/m) | TLMI Method, 12"/min, 1" wide sample |
| Shear | 4 hours | TLMI Method, 0.25 in ² x 500g |
| Adhesive Coat Weight | 1.75 g/100 in ² +/- 10% | Emtech Method E10MFP01 |
| Release Range | 15 to 50 g/2 in | TLMI Method, 180° removal, 300 in/min |
| Service Temperature | -20°F to 302°F (-29°C to 150°C) | |
| Application Temperature | 40°F to 120°F (5°C to 49°C) | |

Dura-Go™ Polyester is available in sheets or rolls.

The application suggestions, specifications and other data described here are based on experience that is believed by Tekra Corporation 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 Tekra Corporation's terms and conditions of sale.