

B-8110 GLOSSY LIGHT BLUE THERMAL TRANSFER PRINTABLE POLYIMIDE LABEL STOCK

TDS No. B-8110
Effective Date: 10/02/2009

Description:

GENERAL

Print Technology: Thermal Transfer

Materials Type: Polyimide

Finish: Glossy Light Blue

Adhesive: Permanent Acrylic

RECOMMENDED RIBBONS

Brady Series R6000

COMPLIANCE

B-8110 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

Details:

| PHYSICAL PROPERTIES | TEST METHOD | TYPICAL RESULTS |
|-----------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|
| Thickness | ASTM D 1000 -Substrate -Adhesive -Total | 0.0023 inch (0.058 mm) 0.0012 inch (0.032 mm) 0.0035 inch (0.090 mm) |
| Adhesion to: - Stainless Steel | ASTM D 1000 20 minute dwell 24 hour dwell | 35 oz/in (39 N/100 mm) 50 oz/in (55 N/100 mm) |
| - Epoxy PC Board | 20 minute dwell 24 hour dwell | 30 oz/in (33 N/100mm) 40 oz/in (44 N/100mm) |
| Tack | ASTM D 2979 Probe Tack 1 second dwell | 31 oz (850 g) |
| Drop Shear | PSTC-7 | >100 hours |

Samples were printed with Brady R6000 Series ribbons using a BradyPrinter 600X-Plus thermal transfer printer. Samples were laminated to aluminum panels and allowed to dwell 24 hours prior to testing. Testing was conducted at room temperature and consisted of 15 minute immersion in specified test fluid. After immersion, the samples were removed from the test fluid and the printed image was rubbed 10 times with a cotton swab saturated with the test fluid. A rating scale of 1 – 5 is used in the table below to show the print quality of the samples tested upon exposure to different chemicals.

| CHEMICAL REAGENT | SUBJECTIVE OBSERVATION OF VISUAL CHANGE | |
|---------------------|-----------------------------------------|----------|
| | EFFECTS TO PRINTED IMAGE | |
| | R6000 | |
| | WITHOUT RUB | WITH RUB |
| 3% Alconox | 1 | 1 |
| 5% Alconox | 1 | 1 |
| Arnakleen E2003 | 1 | 2 |
| Saponifier 6% | 1 | 1 |
| BIOACT EC-7 | 1 | 3 |
| Aquanox XJN-plus | 1 | 4 |
| Axarel 32 | 1 | 2 |
| BIOACT SC-10 | 1 | 4 |
| BIOACT EC-7R | 1 | 5 |
| Biokleen Saponifier | 1 | 4 |
| Chem Crest 2000X | 1 | 4 |
| IPA | 1 | 4 |

| | | |
|------------------|---|---|
| Aquanox SSA | - | - |
| Lenium ES | 1 | 5 |
| KNI Solvent | 1 | 5 |
| Re-entry Presolv | 1 | 5 |
| Vigon SC | 1 | 1 |
| Vigon US | 1 | 4 |

Rating:

- 1 = No print removal/ no visible effect
- 2 = Slight print removal
- 3 = Moderate print removal
- 4 = Severe print removal
- 5 = Complete print removal

Trademarks:

ASTM: American Society for Testing and Materials (U.S.A.)

Alconox® is a registered trademark of Alconox Co.

Aquanox SSA™ is a trademark of Kyzen Corporation.

BIOACT® is a registered trademark of Petroferm, Inc.

EC-7™ is a trademark of Petroferm Inc.

PSTC: Pressure Sensitive Tape Council (U.S.A.)

RE-ENTRY® is a registered trademark of Environsolv Inc.

Vigon® is the registered trademark of Zestron Corporation

Note: All values shown are averages and should not be used for specification purposes.

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