

**BRADY Nite-Glo B-7570 PHOTOLUMINESCENT CLASS B RIGID PP SIGN**

TDS No. B-7570  
Effective Date: 09/28/2016

**Description:**

Rigid Polypropylene laminated with a printed flexible photoluminescent polyester tape Class B (Nite-Glo B-7568).

**Substrate type:** Rigid photoluminescent polypropylene sign.

**Standard legend colors:** Black, blue, green and red

**Use:**

B-7570 is used for safety applications such as safety signage in building, marine, rail and military applications.

**Relevant standards:**

Luminous compliance according to DIN 67510, ASTM 2072, ISO 15370, EU marine equipment directive, IMO RES A. 752 (18), PSPA Class B.

**Illuminescent properties:**

Charge time of 5 minutes @ 1000 Lux will charge the sign for 12 hours of glow time (min. 0.32 mcd/m<sup>2</sup>)  
Consistent glow life and unlimited rechargeability throughout service life.

Test results according to DIN 67510 Part 1 standard / ASTM 2072: 1000 Lux Xenon Lamp for 5 minutes at 22°C

Luminance (after illumination):

- 2 minutes : 641.0 mcd/m<sup>2</sup>
- 10 minutes : 119.0 mcd/m<sup>2</sup>
- 30 minutes : 35.4 mcd/m<sup>2</sup>
- 60 minutes : 12.4 mcd/m<sup>2</sup>

**Details:**

| PHYSICAL PROPERTIES | TEST METHOD                 | AVERAGE RESULTS                                 |
|---------------------|-----------------------------|---|
| Thickness           | PSTC-133<br>Total thickness | 1.78 mm   |
| Abrasion Resistance | CS-10 wheels                | Polyester laminate withstands up to 1000 cycles |
| Service temperature |                             | -40°C to 65°C (-40°F to 150°F)                  |
| Humidity resistance | 30 days at 37°C/95%RH       | No visible effect                               |

**Outdoor applications:**

Not recommended for outdoor application.

**CHEMICAL PROPERTIES:**

| CHEMICAL REAGENT             | Rub test          |
|------------------------------|-------------------|
| Methyl ethyl ketone          | No visible effect |
| Toluene                      | No visible effect |
| Isopropyl alcohol            | No visible effect |
| Ethanol (96%)                | No visible effect |
| n-Hexane                     | No visible effect |
| Acetone                      | No visible effect |
| Gasoline                     | No visible effect |
| Diesel                       | No visible effect |
| Deionized water              | No visible effect |
| 5% NaOH                      | No visible effect |
| 10% Sulphuric acid solution  | No visible effect |
| 10% NaCl solution            | No visible effect |
| 5% Soap Extran MA 02 neutral | No visible effect |

Rub test: Rubbed sample for 1 minute with swab soaked in reagent.

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

**Trademarks:**

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

DIN: Deutsche Industry Norm

IMO: International Maritime Organization

PSPA: Photoluminescent Safety Products Association

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

S. I.: International System of Units

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

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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