

**BRADY Xtra-Glo B-7584 PHOTOLUMINESCENT CLASS C RIGID PP SIGN**

TDS No. B-7584  
Effective Date: 07/06/2016

**Description:**

Rigid Polypropylene laminated with a printed flexible photoluminescent polyester tape Class C (Xtra-Glo B-7582).

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

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

**Use:**

B-7584 is used for safety applications such as safety signage in building, marine, rail and military applications.

**Relevant standards:**

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

**Illuminescent properties:**

Charge time of 5 minutes @ 1000 Lux will charge the sign for 24 hours of glow time (min. 0.32 mcd/m<sup>2</sup>)  
Consistent glow life and unlimited rechargability 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 : 794 mcd/m<sup>2</sup>  
10 minutes : 180 mcd/m<sup>2</sup>  
30 minutes : 49.8 mcd/m<sup>2</sup>  
60 minutes : 23 mcd/m<sup>2</sup>

**Details:**

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	PSTC-133 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
De-ionized 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: 2 years if stored below 27°C (80°F) and 60% RH.

**Trademarks:**

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

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Brady Europe | Industriepark C3 Lindestraat 20 | B9240 Zele | Belgium | Tel: +32 52.45.7811 | Fax: +32 52.45.7812