

PRO GLOW® DOTS

Glow-in-the-Dark Tape



Technical Data Sheet

Pro Glow® Dots has a non-radioactive chemical light source incorporated into a flexible vinyl film that glows in total darkness after exposure to artificial or natural light.

Features & Benefits:

- Flexible vinyl backing is conformable.
- Can be printed.
- Lasts for up to ten hours before a recharge is needed.
- Exceeds PSPA Class B Standards.

Technical Data

- ⇒ Backing : Vinyl film
- ⇒ Luminous Compliance: PSPA Class B
- ⇒ Release liner: 92lb Bleached Liner
- ⇒ Thickness : 15 mils, Substrate – 0.018in (0.457mm) (PSTC 133), Pressure sensitive adhesive – 0.0015in (0.04mm) (PSTC 133), Release Liner – 0.007in (0.178mm) (PSTC 133)
- ⇒ Color: Light yellow/green glossy appearance
- ⇒ Service Temperature: High - 14 days at 220°F (No visible effects, moderate shrinkage and elasticity), Low - 14 days at -20°F (No visible effect)
- ⇒ Storage Temperature: Under 70°F and 50% relative humidity.
- ⇒ Solvent Resistance: Water, 10% Salt Water, Bleach, Trichloroethylene, 25% Sulfuric Acid, Hydraulic Fluid, 50% Antifreeze in water, Mineral Spirits, 99% IPA
- ⇒ Solvent Resistance Intermittent Content Only: 1% Sodium Hydroxide, Unleaded Gasoline, Diesel Fuel
- ⇒ Solvent Resistance Not Recommended: MEK
- ⇒ Luminous Values (figures below in millicandela per square meter): DIN 67510 / ASTM 2072
(Xe lamp 1000Lx/5 min) 10 min 68.2 mcd/m² after 10 min, (Xe lamp 1000Lx/5 min) 60 min 8.76 mcd/m² after 60 min
- ⇒ Peel Adhesion to: Stainless Steel: (PSTC 101), 15 min dwell- 96 oz./in (105 N/100 mm), 24 hour dwell- 104 oz./in (115 N/100 mm), Powder coated surfaces- 15 min dwell- 64 oz./in (70 N/100 mm), 24 hour dwell- 72 oz./in (79 N/100 mm), Polyethylene- 15 min dwell- 36 oz./in (40 N/100 mm), 24 hour dwell- 44 oz./in (47 N/100 mm)

Application:

Pro Glow® Dots photoluminescent film light source is designed to absorb energy from any nearby ambient light such as fluorescent lamps or sunlight. There is no limit to the number of times Pro Glow® Dots can be recharged. When fully charged, Pro Glow® Dots provides positive luminance for up to 10 hours. Pro Glow Dots is designed for indoor safety and egrass marking tapes and signage. Pro Glow® Dots is used to spike stages for placement of scenery. Pro Glow® Dots is also used for marking exits in dark areas and to mark light switches.



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Note: The above are typical values and should not be used in writing specifications. The determination of the suitability of this product for any specific use is solely the responsibility of the user. No representatives, guarantees or warranties of any kind are made to the accuracy or suitability for specific applications. Tape should be stored in its original packaging in a cool dry area away from direct sunlight and should be used within 12 months from date of shipment. Surfaces to which tape is applied should be clean, dry and free of grease, oil or other contaminants.