



Tapes & Specialties

TECHNICAL DATA SHEET

PRO GLOW TAPE®

APPLICATION

Pro Glow 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. The photoluminescent film light source is designed to absorb energy from any nearby ambient light such as fluorescent lamps or sunlight. Once the source of extraneous light is removed, Pro Glow film immediately emits a light of its own. There is no limit to the number of times this product can be recharged. When fully charged, Pro Glow provides positive luminance for up to 10 hours. Pro Glow is designed for indoor safety and egress marking tapes and signage.

FEATURES AND BENEFITS

- Used to spike stages for placement of scenery
- Used for marking exits in dark areas
- Flexible vinyl backing is conformable and easy to cut to size
- Used to mark light switches
- Can be printed
- Can be die cut to custom sizes and shapes
- 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- Recommended
 - 10% Salt Water- Recommended
 - Bleach- Recommended
 - Trichloroethylene- Recommended

- 25% Sulfuric Acid- Recommended
- 1% Sodium Hydroxide- Intermittent Contact Only
- Unleaded Gasoline- Intermittent Contact Only
- Diesel Fuel- Intermittent Contact Only
- Hydraulic Fluid- Recommended
- 50% Antifreeze in water- Recommended
- MEK- Not Recommended
- Mineral Spirits- Recommended
- 99% IPA- Recommended
- 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)

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.



ISO 9001:2000 Certified

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For Additional Information on this Product, Call Toll-Free 1-800-345-0234