

PRO Glow-in-the-Dark Tape

Technical Data Sheet



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.

Features & Benefits

- Flexible vinyl backing is conformable and easy to cut to size
- Can be printed
- Can be die-cut to custom sizes and shapes
- Lasts for up to ten hours before a recharge is needed



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 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 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. Pro Glow is used to spike stages for placement of scenery. Pro Glow is also used for marking exits in dark areas and to mark light switches.