

SAFETY PHOTOLUMINESCENT

PRODUCT INFORMATION GUIDE

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| Application(s): | Flexible laminated film coated with a permanent acrylic pressure sensitive adhesive and backed with a poly coated release liner. Safety grade photoluminescent material designed to glow 6 hours. Product withstands UV-light and does not show significant degradation when used outdoors. Flexible vinyl film with ASTM DIN / IMO A.752 (18) compliant "photoluminescent properties". |
| Part Number: | 523521P - 523526P |
| Material: | Luminous Film (SrAl ₂ O ₃ : Eu) |
| Adhesive: | Synthetic Resin Adhesive |
| Total Thickness: | 0.013" +/- 10% |
| Weight: | 500 g/m ² |
| Tape Application: | Minimum application temperature 10 ⁰ C (50 ⁰ F) Surface must be clean and free from dust, dirt, oil, wax, silicone. |
| Cleaning: | Clean tape surface with a mild soap, rinse with fresh water. |
| Shelf Life: | One year from date of purchase when stored at 70 ⁰ F, 50% relative humidity. |

| Typical Value: | Unit: | Property: |
|--------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Min. 20 / 3.8 | mcd/m ² | Luminance in milli candela per square meter (After 10 min and 60 mins) |
| ≥ 12 | Mpa | Tensile Strength (Mpa = Megapascal) |
| ≥ 100 | % | Elongation At Break |
| ≤ 8 | % | Dimensional Stability (100 C @ 1 Hour) |
| ≤ 30 | OI | Burning Behaviour (OI = Oxygen Index) |
| No Cracks (1mm) | | Cold Resistance (- 10 C) |
| No Cracks (1mm) | | Heat Resistance |
| No Artificial | | Radioactivity |
| ≥ 90 | % | Weathering / Luminance (2 Months) |
| No Optical Changes | | Resistance Against Salt (2 Weeks) |
| No Optical Changes | | Resistance Cleaning Liquid (2 Weeks) |
| Standards | | |
| DIN 67510-1 | | Luminance measurement of photoluminescent products |
| DIN 53438 | | Flammability - Reaction to an open flame (Class F1 / 0.33mm) |
| DIN 53387 | | Weathering - Resistance against color change during testing (2 months) |
| DIN 50021-SS | | Salt Spray Test - Resistance against any visible changes (2 weeks) |
| ISO 16069 | | Graphic Symbols - Safety Signs - Safety Way Guidance Systems |
| ISO 17398 | | Safety Colors and Safety Signs - Class A |
| PSPA England | | Class A |
| MIL-L-3891B | | Luminescent material and equipment (non-radioactive) (Has been replaced by ASTM E 2030-99, ASTM E 2072-00, ASTM E 2073-00) |
| ASTM E 2072-04 | | Std. specification for photoluminescent safety markings |
| ASTM E 2073-02 | | Std. test method for photopic luminence of photoluminescent markings |

