

SAFETY PHOTOLUMINESCENT

PRODUCT INFORMATION GUIDE

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MIL-L-3891B		Luminescent material and equipment (non-radioactive) (Has been replaced by ASTM E 2030-99, ASTM E 2072-00, ASTM E 2073-00)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 luminance of photoluminescent markings



This data is based on typical results achieved. It is the sole responsibility of the buyer or user to ensure that the product is suitable for any proposed end use or application and to ensure proper cleaning of the substrate to which it will be applied. This data in no way constitutes a specification, nor should it be seen as a recommendation for use. We accept no liability for any loss, damage or injury resulting from the use of these products or data.

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