

Multi-fix 5801 glow in the dark

TECHNICAL DATA SHEET



A Bemis Company

1. Product description

Glow in the dark is a high intensity phosphorescent vinyl film which complies with the requirements for safety signs when tested to DIN 67510 Part 1.

Highly visible to the human eye in the dark after exposure to natural or artificial light.

coated with an acrylic based pressure-sensitive adhesive. The adhesive is protected by a white kraft liner. Recommended 350 gram for plotting in combination with a cemented carbide blade.

2. Product construction

Face material :

450 µm phosphorescent yellow-green vinyl film, not radioactive, cadmium-free.

Adhesive :

Permanent acrylic based pressure-sensitive adhesive.

Liner :

Highly stable 160 gsm white PE coated paper.

3. Shelf life:

2 years when stored at 15 to 25°C and ± 50 % relative humidity. A longer period storage is not recommended.

4. Temperature ranges

Application : + 10°C to + 40°C

End-use : - 30°C to + 70°C

5. Physical and Chemical characteristics

Dimensional stability

Shrinkage (48 hours at 70°C) : < 2.5 %

(25 cm x 25 cm, sample mounted on aluminium).

FTM 14

Flammability

Sample mounted on aluminium : self-extinguishing.

ISO 3795

Luminance (glow duration)

DIN 67510

- after 10 min. : 100 mcd/sqm

- after 60 min. : 13 mcd/sqm

When film initially charged at 1000 lux for 5 minutes

Radioactivity

Gamma spectrometer

No artificial radioactivity.

Weight (Film + adhesive)

625 gr/sqm

Multi-fix 5801 glow in the dark

TECHNICAL DATA SHEET



A Bemis Company

*** Vinyl**

Thickness (Film + adhesive) ASTM D-645 0.500 mm

Face Material Data, 23°C DIN 53455

Tensile strength : ≥ 100 N/15mm

Elongation at break : ≥ 100 %

*** Adhesive**

Adhesive Data, 23°C

Peel adhesion 180° on stainless steel

- 20 min. residence : > 16 N/25 mm

- 24 hour residence : > 23 N/25 mm

FTM 1

6. Durability

5 years (indoor use).

In outdoor use, the life expectancy is reduced and is dependent on exposure conditions.

Note : Exposure to severe temperatures and ultraviolet light, as well as conditions in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration.

This also applies to polluted areas, high altitude and south-facing exposure.

7. Recommendations

PROCESSING

5801 is usually printed by the silk screen process.

NB: The ink anchorage on 5801 is more difficult to achieve. The printer should test the ink anchorage before starting the production and contact his ink supplier if necessary.

Important Notice

All Multi-fix products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Multi-fix products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

Because of the variety of uses of Multi-fix products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.

www.multi-fix.com