

Technical Datasheet - Glow In The Dark Stickers

Vinyl - Glow In The Dark

Film thickness: 130 micron (0.13mm)
Adhesive thickness: 30 micron (0.03mm)
Adhesive type: Clear permanent cross-linking acrylic
Release liner: 150gsm PE coated printed grey
Shelf life: 2 years, out of direct sunlight at 23°C and 50% humidity
Tensile: >10.0 N/mm²
Elongation: >75%
Adhesion 20 Mins/90°: 250 N/Metre
Adhesion 20 Mins/180°: 570 N/Metre
Adhesion 24 Hrs/180°: 700 N/Metre
Static shear (25 x 25mm): >16 hours
Dimensional stability (150 x 150mm/48 hours/70°C): <0.4mm
Gloss 60°: >85%
Flammability: Self extinguishing
Artificial weathering: >1000 hours
Weathering: White 8-10 years
Rivet testing: No cracking
Application temperature: +8°C to 25°C
Service temperature: -40°C to +105°C
Luminosity: DIN 67510PI, ASTM E 2072-00, BS 5499: Part 2:1986, visual life 1 hour

Adhesion Properties to Various Substrates for 24 hours at 23°C/180° Peel:

Aluminium (untreated): 860 N/Metre
Aluminium (anodised): 940 N/Metre
Stainless steel: 700 N/Metre
Chromed steel: 690 N/Metre
Polyurethane: 400 N/Metre
Glass: 700 N/Metre
Acrylic sheet: 700 N/Metre
ABS sheet: 580 N/Metre