Stickers International

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Technical Datasheet - Fluorescent Stickers

Fluorescent Vinyl - Yellow / Orange / Pink / Green

Film thickness: 100 micron (0.100mm) (ISO 4591:1992)
Adhesive thickness: 40 micron (0.040mm) (ISO 4591:1992)
Adhesive type: Grey Permanent Cross-Linking Acrylic
Release liner: 150gsm PE Coated Printed Grey

Storage: Two years, out of direct sunlight at 23°C and 50% humidity
Tensile: >15.0 N/mm² (ISO 527:1996)
Elongation >100% (ISO 527:1996)
Adhesion 20 Mins/90°: 250 N/Metre (FINAT FTM2/Stainless Steel)
Adhesion 20 Mins/180°: 520 N/Metre (FINAT FTM1/Stainless Steel)
Adhesion 24 Hrs/180°: 760 N/Metre (FINAT FTM1/Stainless Steel)
Static Shear (25 x 25mm): >15 hours (FINAT FTM8/Stainless Steel)
Dimensional Stability (150 x 150mm/48 hours/70°C): <0.4mm (FTM14/Aluminium)

Gloss 60°: >85% (ASTM 523-89)
Flammability: Self Extinguishing
Artificial Weathering: >250 hours (QUV)
Weathering (Orange/Pink/Green): 18 Months (Vertical Exposure/Mid Europe)
Weathering (Yellow): 24 Months (Vertical Exposure/Mid Europe)
Rivet Testing: No Cracking (KPMF ST 22)
Application Temperature: Clean, dry surface +8°C to 25°C
Service Temperature: -40°C to + 105°C

Adhesion Properties to Various Substrates for 24 hours at 23°C/180° Peel:
Aluminium - Untreated: 920 N/Metre
Aluminium - Anodised: 1,000 N/Metre
Stainless Steel: 760 N/Metre
Chromed Steel: 750 N/Metre
Polyurethane: 460 N/Metre
Glass: 760 N/Metre
Acrylic Sheet: 760 N/Metre
ABS Sheet: 640 N/Metre

Resistance to various liquids after application and conditioned for 24 hours at 23°C (results examined 1 hour after test):
Humidity: No Effect (24 hours at 38°C and 100%)
Water (Distilled): No Effect (24 hours at 32°C)
Sea Water: No Effect (1 year Mid Tide - BS 5609:1986)
Reference Fuel: Very Slight Film Softening (1 hour at 23°C)
Diesel Fuel: No Effect (1 hour at 23°C)
SAE Motor Oil: No Effect (24 hours at 23°C)
Antifreeze/Water (1:1): No Effect (24 hours at 23°C)
Detergent Solution: No Effect (8 hours at 65°C)
Hydraulic Oil: No Effect (24 hours at 23°C)
Battery Acid: No Effect (24 hours at 23°C)

Disclaimer: Product performance should always be tested in the actual application conditions. We cannot assume any liability for damage caused through the use of our products as they are used in conditions beyond our control.