

Avery Dennison[®] FasCal[®] 800 Screen

General purpose polymeric plasticised vinyl

Features

- Excellent layflatness for precise register and printing
- Excellent printability, conversion and application characteristics
- Smooth surface for superior appearance
- Excellent dimensional stability during use
- Excellent outdoor durability
- Superb UV, humidity and salt spray resistance

Conversion[^]

- | | |
|--|---|
| <input checked="" type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input checked="" type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Electrostatic printing |
| <input checked="" type="checkbox"/> Die cutting | <input type="checkbox"/> Latex inkjet |
| <input type="checkbox"/> Thermal transfer | <input type="checkbox"/> Eco solvent inkjet |
| <input checked="" type="checkbox"/> Screen printing | <input type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Offset printing | <input type="checkbox"/> UV curable inkjet |

Uses

Avery Dennison 800 Screen is ideal for a wide range of flat and slightly curved surface, fleet and architectural signage applications, where durability and superior outdoor performance are required.

Description



Film: 100 micron polymeric plasticised vinyl

820 Black matt
840 Transparent
890 White matt
895 White gloss



Adhesive: Permanent acrylic



Backing: One side coated bleached kraft paper, 140 g/m²



Outdoor life:
Black & White up to 7 years (unprinted).
Transparent up to 5 years (unprinted)

Common Applications

- Flat sided trucks
- Cars and vans
- Marine
- Architectural signage
- Industrial machinery
- Window graphics
- Outdoor advertising

Physical characteristics

General

Calliper, face film	ISO 534	100 micron
Dimensional stability	DIN 30646	0.3 mm max
Tensile strength	DIN 53455	22 N/mm ²
Elongation	DIN 53455	50%
Gloss	ISO 2813, 20°	50 %
Adhesion, initial	FINAT FTM-1, stainless steel	600 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	800 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability **	Vertical exposure	
Black & white		up to 7 years (unprinted)
Transparent		up to 5 years (unprinted)

Thermal

Application temperature	Minimum: + 10°C
Temperature range	- 50°C to + 110°C

Chemical

Humidity resistance	200 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion time	No effect
Sea Water resistance	1 year half tide immersion BS5609:1987	No effect
Chemical Solvent Resistance		
Test Fluid:	Immersion Time:	Result:
Gasoline	1 hour	No Effect
Diesel oil	1 hours	No Effect
Antifreeze	24 hours	No Effect

Test Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Durability

Durability is based on exposure conditions in the normal middle European and central North American regions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased. Please refer to Avery Dennison Instructional Bulletin 1.3 for definitions and reductions based on the 'Zone System'.

***Information unavailable at time of printing.