PRODUCT DATA SHEET

Avery Dennison® FasCal® 800 Screen

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Introduction

Avery Dennison Fascal 800 Screen is a general purpose, medium life, self adhesive film for a wide variety of relatively flat surfaces.

Description

Facefilm: 100 micron, polymeric plasticised, highly durable and weather resistant vinyl film
820 Black Matt
840 Transparent
890 White Matt
895 White Gloss
Adhesive: permanent, acrylic based
Backing paper: one side coated bleached kraft paper, 140 g/m²

Conversion

Screenprinting with high quality screen inks recommended. FasCal 800 Screen series have excellent die-cutting characteristics.

Features

- Excellent outdoor durability.
- High dimensional stability.
- Excellent printability.
- High adhesion level on a wide range of substrates.
- Ultra violet, humidity and salt spray resistance.
- Smooth surface for superior appearance.

Recommendations for use

- Vehicle graphics and decals for relatively flat application surfaces.
- Lettering and number systems.
- Advertising and display signs.
- Nameplates and identification marking.
- FasCal 840 Transparent: double sided window stickers.

PRODUCT CHARACTERISTICS

Avery Dennison® FasCal® 800 Screen

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	100 micron
Gloss		
820 Black Matt	ISO 2813 85°	20 %
840 Transparent	ISO 2813 20°	65 %
890 White Matt	ISO 2813 85°	20 %
895 White Gloss	ISO 2813 20°	55 %
Dimensional stability	FINAT FTM 14	0,3 mm max.
Adhesion, initial	FINAT FTM-1, stainless steel	600 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	800 N/m
Flammability		Self-extinguishing
Accelerated ageing	DIN 53387 1500 hours exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability [2]	Vertical exposure	
Black & White		7 years
Transparent		5 years

Temperature range

Features	Results
Minimum application temperature:	+10° C
Service temperature:	- 40° to + 110° C

Chemical properties

Features	Test method[1]	Results
Humidity resistance	200 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Sea water resistance	1 year half tide immersion. BS 5609:1978	No effect
Chemical resistance	Mild acids, mild alkalis	No effect

Solvent resistance (applied to aluminium)

Test Fluid	Immersion time	Results
Gasoline	1 hour	No effect
Diesel Oil	1 hour	No effect
Antifreeze	4 hours	No effect

Important
Information on physical and chemical 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 this material to their specific use.
All technical data are subject to change.

Warranty
Avery Dennison® branded 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 any guarantee, warranty, or make any representation contrary to the foregoing.
All Avery Dennison® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods
More information about our test methods can be found on our website.

2) Durability
The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.