

Avery Dennison[®] 7500 Films

PRODUCT DATA SHEET¹

7554 Exterior Blackout Film

Functional Films

Introduction

Avery Dennison 7554 Exterior Blackout Film is a general purpose film which can be used in a wide variety of applications where a black film is desired for functional or design reasons. To a certain extent the film has protective properties. If a high protection to stone chipping is desired the transparent protection films from the 7500 range are to be selected.

Description

Face film	Flexible polymeric plasticised PVC
Thickness	150 micron
Finish	Black, satin matt, embossed with a fine grain
Adhesive	permanent, UV resistant, acrylic based
Backing paper:	one side coated bleached kraft paper, 140 g/m ²

Conversion

- manual cutting
- computer cutting plotters
- die cutting

Features

- excellent durability
- excellent adhesion to car paints
- good protection characteristics
- allows application to flat and slightly curved metal surfaces

Usage

- in applications where a black film is desired for functional or design reasons such as on vehicles or in buildings
- should not be applied at areas where it can be exposed to (prolonged) dripping or immersion to gasoline, diesel oils etc.
- should preferably be applied to vertical surfaces
- See TB 3.20 for the application instructions

¹ All technical data subject to change

PRODUCT CHARACTERISTICS

General

	Test method ¹	Results
Caliper, facefilm	ISO 534	150 micron
Dimensional stability	DIN 30646	0,3 mm max.
Adhesion, initial	FINAT FTM-1, stainless steel	500 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	720 N/m
Flammability		Selfextinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure	5 years

Temperature Range

	Results
Minimum application temperature:	10° C
Temperature range:	- 40° to +110° C

Appearance and Durability

	Test method	Value
Scratch Resistance	Ericssen, 7.5N	no damage
Abrasion	Crockmeter test - Result dry Taber (500 kg, CS-17 wheels)	no damage, slight discoloration no damage, surface became smooth
Chip Resistance	SAE J400	chip frequency: moderate
Atlas Weather-o-Meter	SAE J2527, after 2500 kJ	Pass

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.

Chemical

Visual inspection after exposure to:

Test fluid	Test method	Result
Gasoline	GMW14333-A	No change in appearance
Diesel	GMW14333-A	No change in appearance
Commercial window cleaner	GM14334-B	No change in appearance
Glass treatment	GM14334-B	No change in appearance
Car shampoo	GM14334-B	No change in appearance
Acid (HCl 0.5M)	24 hrs	No change in appearance

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 statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see

<http://terms.europe.averydennison.com>

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.