

TECHNICAL INFORMATION

Avery Dennison[®] 7500 Protection Films

7521 Exterior PU Protection Film

Introduction

Avery Dennison 7521 Exterior PU Protection Film is a general purpose polyurethane film for protection of vulnerable surfaces such as car paint. The durable film can be applied to critical areas on the vehicle exterior, protecting paint damage from stones, insects, liquids, heavy use and much more.

Avery Dennison 7521 Exterior PU Protection Film can be used to invisibly protect paint finishes and is suitable for all types of vehicles – from motor bikes to buses and trains. The film is an excellent solution to protect the most vulnerable external surfaces, such as hoods, wheel arches and mirror backs, but also internal surfaces (for example, luggage racks or chairs in buses and trains).

In addition the 7500 Protection Films can be used in Architecture for use in commercial premises. The film can be used to protect surfaces in high-traffic areas, for example to protect reception desks, door impact areas, wall panels and more.

Description

Face film	200 micron, polyurethane film
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 protection characteristics
- High transparency
- Long term durability
- Excellent adhesion to car paints
- Allows application to slightly curved car exterior parts
- Multi-purpose film for various applications

Recommendations for use

- The film can be applied to critical areas on the vehicle exterior, protecting paint damage from stones, insects, liquids, heavy use and much more.
- Avery Dennison 7521 Exterior PU Protection Film should not be applied at areas where it can be exposed to (prolonged) dripping or immersion to gasoline, diesel oils etc.
- Avery Dennison 7521 Exterior PU Protection Film should not be applied to horizontal car parts
- See TB 3.20 for the application instructions

Physical properties

Features	Test method ¹	Results
Caliper, face film	ISO 534	200 micron
Gloss:	ISO 2813, 20°	60 %
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		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure	7 years

Temperature range

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

Chemical properties

Features	Test method ¹	Results
Humidity resistance	20 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Chemical resistance	Mild acids	No effect
	Mild alkalis	No effect
Solvent resistance	Applied to aluminium: Antifreeze, 4 hours immersion	No effect
Cleaning	Film withstands cleaning with hot water high pressure cleaning equipment.	

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

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.