PRODUCT DATA SHEET

Avery Dennison® Paint Protection Film SPF Matte

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Introduction

Avery Dennison Supreme Protection Film SPF-Matte is a premium engineered thermoplastic polyurethane film in transparent matte finish, designed to protect a vehicle's finish against stone chips, road debris, insect stains, small to medium scratches, chemical stains and weathering, without degrading the original paint. SPF-Matte has a "self-healing" top coat, which helps small scratches in the film disappear with heat, maintaining the pristine look of the vehicle.

Conversion

Avery Dennison Supreme Protection Film SPF-Matte is designed for vehicle paint and painted surface protection purposes and is easy to size by manual cutting during application or digital cutting plotters. It is also possible to apply SPF-Matte on top of pre-existing and applied Avery Dennison Supreme Wrapping Film. Material should be applied using the wet application method. For more information please refer to TB. 6.1

Face Film
165 micron, top-coated thermoplastic polyurethane (protected PET sheet is not included)

Adhesive
Permanent, UV resistant, solvent acrylic base

Backing
PET liner

Durability
10 years

Shelf Life
1 year Stored at 22°C 50-55 % RH

Recommendations

- Protection of the highly sensitive external surfaces of the vehicle, such as bumper, side mirrors, hood & wheel arches
- Protection of internal surfaces , such as luggage racks or chairs in busses or trains
- Protection of surfaces in high traffic areas, such as reception desks, door impact areas, wall panels and more

Features

- Top- coating - increases the resistance to external damages
- "Self-healing" - helps small scratches in the film disappear with heat.
- Up to 10 years protection- maintaining the quality of vehicle finish
- Exceptional visual properties - enhancing the look of the vehicle
- Premium grade, conformable thermoplastic polyurethane (TPU) film.

Physical Characteristics

	Test method	Results
Product		
Caliper, facefilm (micron)	ISO 534	165
Caliper, facefilm + adhesive (micron)	ISO 534	200
Gloss (GU)	ISO 2813, 60°	15 GU
Dimensional stability (mm max.)	FINAT FTM 14	0.15
Shelf life (months)	Stored at 22° C/50-55 % RH	15
Adhesive		
Tensile strength @break (MPa)	ISO 527	>20
Elongation @break (%)	ISO 527	>200
Adhesion, initial 180° 20 min (N/m)	FINAT FTM-1, stainless steel	>550
Adhesion, ultimate 180° 72 hours (N/m)	FINAT FTM-1, stainless steel	>750
Temperature range		
Application temperature (Minimum: °C)		10
Service temperature (°C to +°C)		-40 to +100
Chemical properties[1]	Visual Inspection after exposure (immersion) to following test fluids	
Gasoline Resistance	30 min	No Significant Change
Carwash solution	30 min	No Significant Change
Anti-freeze	30 min	No Significant Change
Diesel	30 min	No Significant Change
Isopropyl Alcohol	30 min	No Significant Change
Heptane	30 min	No Significant Change
10% Sulphuric acid	30 min	No Significant Change
Durability[2]	10 years	
Heat Aging	500 hrs @90 °C	No Significant Change
Water Inmersion	400 hrs @40 °C	No Significant Change

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Prolonged immersion in gasoline and similar fluids is not recommended.

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..

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