Avery Dennison® Supreme™ PPF Matte

Premium Grade Paint Protection Film

Features:

- Top- coating - increases the resistance to external damages
- Self-healing - helps small scratches in the film disappear at room temperature with gloss and matt finishes and when film is exposed to heat with gloss black finish
- Up to 3 years warranted protection - maintaining the quality of vehicle finish
- Exceptional visual properties - enhancing the look of vehicle with uniform & smooth matte finish
- Allows application to slightly curved surfaces
- Excellent UV, temperature, humidity, chemical and salt-spray resistance

Description:

Film: 165 micron top-coated thermoplastic (PU) film

Adhesive: Permanent, UV resistant, solvent acrylic based

Backing: 90 micron Polyester

Warranted Period: 3 Years**

Conversion

● Flatbed cutters	○ Cold overlaminating
● Friction fed cutters	○ Electrostatic printing
● Die cutting	○ Latex inkjet
● Hand Cutting	○ Eco solvent inkjet
○ Screen printing	○ Solvent inkjet
○ Offset printing	○ UV curable inkjet

Application surface:

Flat, simple curves, and compound curves

Common Applications:

- Automotive
- Marine
- Recreational Vehicles
- Architectural

Application

- Wet application recommended. Soap Solution: Combine 100% distilled water with 2 ml of soap per litre of water.
- For installation tips and guides please refer to Avery Dennison® Instructional Bulletins:
  - 1.01 Substrate Cleaning and Preparation
  - 1.15 Application Instructions for SPF Supreme Protection Film

Uses

- Protection of the highly sensitive external surfaces of the vehicle like; bumper, side mirrors, hood, headlight & wheel arches
- Protection of internal surfaces like, luggage racks or chairs in busses or trains
- Protection of surfaces in high traffic areas like, reception desks, door impact areas, wall panels and more
- Partial colour change to high gloss black to accentuate specific car parts like roof, mirrors, hood and more

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General

Calliper, face film	ISO 534	165 micron
Calliper, face film & adhesive	ISO 534	200 micron
Tensile strength	ISO 527	> 20 MPa
Dimensional Stability	DIN 30646	0.15mm max
Elongation	ISO 527	> 200%
Gloss	ISO 2813, 20°	> 15 GU
Adhesion, initial	FINAT FTM-1, Stainless steel	> 455 N/m
Adhesion, ultimate	FINAT FTM-1, Stainless steel	> 630 N/m
Shelf life	Stored at 22° C/50% RH	1 years
Warranted Period**	Zones 1, 2 and 3	3 Years
Heat Aging	500 hrs @ 90°C	ΔE < 2

Thermal

Application temperature	Between 10°C & 30°C
Service Temperature	- 40°C to +100°C

Chemical

Gasoline	30 min	No significant change
Diesel Resistance	24 hours	No significant change
Water & Soap	24 hours	No significant change
Mild Acids	4 hours	No significant change
Cleaning Fluid	24 hours	No significant change
Motor Oil	24 hours	No significant change
Water Immersion	400 hrs @ 40°C	No significant change

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.

**Warranted Period Definitions

The warranted period is the maximum period of time Avery Dennison® will warrant the finished products performance in accordance with the Supreme™ PPF Warranty Terms and Conditions, provided that the film is properly stored, converted and installed in accordance with Avery Dennison® guidelines. Warranty is based on outdoor exposure conditions in Zones 1, 2 and 3, unless otherwise stated, and applied to recommended substrates. For details on warranted period please see Supreme™ PPF Warranty Bulletin.

Testing 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.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.