

Avery Dennison PPF-K2 Paint Protection Film

Updated: 15/09/2022

Introduction

Avery Dennison® PPF-K2 Paint Protection Film is an economic grade clear top-coated aliphatic polyurethane film designed to protect automotive paint surfaces. The good performance against stone-chipping, scratching and abrasion effectively prevent damage and corrosion on the paint surface.

Paint Protection Film- Features & Advantage

- Novel top coating technology, enhanced protection from damage caused by rocks, salt, insects, and other road debris
- Excellent UV-light, humidity and chemical resistance, 7 years warranty provided
- Great heat healing top-coating on scratches
- High gloss, excellent transparency
- High hydrophobic property, easy cleaning
- Good conformability, easy installation

Paint Protection Film- Application

- For optimal application performance, the substrate and ambient temperature should be within 15 °C to 35 °C
- Recommended installation solution: Use distilled water containing a very limited quantity of dishwasher rinse agent or baby shampoo
- Recommended install on automotive, motorcycle, RV, bicycle and most model of transportation

Paint Protection Film- Product characteristics

Physical properties

Features	Test method	Results
Face film+Top coating	ISO 534	5.3 mil
Adhesive	ISO 534	1.2 mil
Tensile strength	ISO 527	25 MPa
Elongation at break	ISO 527	250 %
Gloss(60 °)	ISO 2813	90 GU
Mil. spec. shrinkage	FINAT , FTM-14	< 0.1 %

Adhesive properties

Sample Preparation	Test method	Peel Strength
20 mins	FINAT , FTM-1, SS	550 N/m
24 Hours	FINAT , FTM-1, SS	750 N/m

Durability

Xeon Aging	ASTM D4956, 5000hrs	$\Delta E < 3$, gloss change < 10%
Heat Aging	90 °C, 500hrs	$\Delta E < 5$

Shelf life	Stored at 22 °C/50-55 % RH	12 months
Durability	Vertical application (zone 2)	7 years

Chemical Resistance properties

1) Visual inspection after exposure to following test fluids

Gasoline, 30 min	No significant change
Carwash solution, 30 min	No significant change
Antifreeze, 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

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