

Avery Dennison[®] Conformable Chrome Easy Apply[™] RS

SF100-843-S with Long Term Removability

Features

- High gloss semi-conformable mirror-like chrome finish film
- Good conformability to irregular substrates like concave and convex shapes
- Outstanding durability and outdoor performance
- Good UV, temperature, humidity, and salt-spray resistance
- Easy Apply RS[™] adhesive system with air egress channels for fast and easy removal of entrapped air bubbles
- Adhesive slides smoothly on surface for exact positioning: RS[™] technology allows film to stand-off from surface until pressure is applied
- Low adhesive tack level allows graphics to be repositioned during application
- Exceptional long term removability for the life of the film with little or no adhesive residue

Conversion

- | | |
|--|--|
| <input checked="" type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input checked="" type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Latex Inkjet |
| <input checked="" type="checkbox"/> Die cutting | <input type="checkbox"/> Eco Solvent inkjet |
| <input type="checkbox"/> Thermal transfer | <input type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Screen printing | <input type="checkbox"/> UV Cured inkjet |

Application

- Dry application only. Do not use water and detergent or a commercial application fluid to position the graphic.
- For processing tips and reference guides please refer to Avery Dennison Instructional Bulletins:
 - 1.01 Substrate Cleaning and Preparation
 - 1.4 Application Methods for Pressure Sensitive Adhesive Films
 - 1.19 Application Instructions for Avery Dennison[®] Conformable Chrome Easy Apply[™] RS (SF100-843-S)
- Do not overheat or overstretch this film during application. If too much heat or stretch is used, the film will whiten. There is no warranty coverage for whitening of film during application caused by incorrect treatment.
- Film may scratch during application, or during day-to-day use. Scratching of the film is not covered by Material Warranty.
- **Important Note:** Before using, user shall determine the suitability of the product for its intended use and accepts responsibility to ensure compliance with any and all laws and regulations concerning the use of chrome film on vehicles or in the ultimate graphic application, and user assumes all risk and liability in connection therewith.

Uses

Avery Dennison Conformable Chrome Easy Apply[™] RS (SF100-843-S) is a premium quality specialty film designed for use in vehicle and graphics markets where high end chrome accents are desired. The patented Avery Dennison Conformable Chrome Easy Apply RS feature allows for faster positioning, bubble free application, and long term removability.

Description



Film: 142 micron chrome finish film



Adhesive: Grey permanent acrylic with Easy Apply[™] RS and Long Term Removability
Removability: Up to 3 years



Liner: Two side PE coated StaFlat[™] paper, 145g/m²



Outdoor Durability:** Up to 3 years

Common Applications

- Vehicle and motorsport graphics
- Motorcycle graphics
- All-terrain vehicle graphics
- Decorative graphics
- Caravans and recreational vehicles
- Vehicle personalisation

Physical characteristics

General

| | | |
|--------------------------------|-------------------------------------|---|
| Calliper, face film | ISO 534 | 142 micron |
| Calliper, face film & adhesive | ISO 534 | 172 micron |
| Dimensional stability | DIN 30646 | 0.5 mm (max) |
| Elongation at break | DIN 53455 | 90% min |
| Gloss | | 90% (min) |
| Adhesion, initial (20mins) | FINAT FTM-1, stainless steel | 350 N/m |
| Adhesion, ultimate (24hrs) | FINAT FTM-1, stainless steel | 437 N/m |
| Removability [^] | Smooth OEM painted surfaces | Up to 2 years |
| Flammability | | Self extinguishing |
| Shelf life | Stored at 22°C/50-55% RH | 2 years |
| Accelerated ageing | SAE – J 1960 2000 hours exposure | No negative impact on film performance |
| Durability ^{**} | Vertical exposure | 3 years |

[^] Not removable when applied to nitrocellulose paints, fresh screen print inks, ABS, polystyrene & certain types of PVC

Thermal

| | |
|-------------------------|------------------|
| Application temperature | Minimum: + 10°C |
| Temperature range | - 42°C to + 82°C |

Chemical

| | | |
|----------------------|-------------------------|---|
| Humidity resistance | 120 hours exposure | No effect |
| Corrosion resistance | 120 hours exposure | No contribution to corrosion |
| Water resistance | 48 hours immersion time | No effect |
| Chemical Resistance | Applied to aluminium | No effect exposed to: Oil, greases, motor oils, mild acids and alkalis. |

Test 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.

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.

**Durability

Durability is based on exposure conditions in the normal middle European and central North American regions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased. Please refer to Avery Dennison Instructional Bulletin 1.3 for definitions and reductions based on the 'Zone System'.

***Information unavailable at time of printing

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.



Graphics
Solutions

Avery Dennison Graphics Solutions Asia Pacific

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