

Avery® A3 Carbon Fibre

Features

- Brilliant carbon Fibre look finish
- Excellent durability and outdoor performance
- Excellent conversion properties on computerised cutters
- Easy cutting and weeding
- Excellent dimensional stability
- Excellent UV, temperature, humidity and salt-spray resistance

Conversion

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

Uses

Avery A3 Carbon Fibre is ideal for a wide range of general signage and background applications where a unique carbon fibre look is required.

Description



Film: 90 micron carbon fibre look calendered vinyl



Adhesive: Clear permanent acrylic



Backing: One side coated bleached Kraft paper, 1125gsm



Outdoor life: up to 5 years

Common Applications

- Point of purchase
- Outdoor advertising
- Indoor advertising
- Display and exhibition
- Flat sided trucks
- Cars and vans

Physical characteristics

General

Caliper, facefilm	ISO 534	90 micron
Caliper, facefilm & adhesive	ISO 534	115 micron
Dimensional stability	DIN 30646	0.762 mm max
Tensile strength	DIN 53455	0.63 to 1.05 kg/cm
Elongation	DIN 53455	100% minimum
Adhesion, ultimate	FINAT FTM-1, stainless steel	700 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22 °C/50-55 % RH	1 year
Durability **	Vertical exposure	up to 5 years

Thermal

Application temperature	Minimum: + 4°C
Temperature range	- 40°C to + 80°C

Chemical

Resistant to most petroleum based oils, greases, and aliphatic solvents
Resistant to most mild acids, alkalies and salts

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® 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® 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 Asia Pacific region. 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.

***Information unavailable at time of printing.