

# Avery Dennison® AvFlex 2 Flexible Substrate

## Features

- Pure white, translucent colour
- Excellent durability and visual result when decorated with Avery 5500QM and 4500TF translucent films
- Smooth top coating to shed airborne dirt and grime
- Resistant to mildew, fungus and wicking
- UV resistance
- High frequency and hot air weldable

## Conversion

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Vinyl application | <input type="checkbox"/> Cold overlaminating    |
| <input type="checkbox"/> Friction fed cutters         | <input type="checkbox"/> Electrostatic printing |
| <input type="checkbox"/> Die cutting                  | <input type="checkbox"/> Latex inkjet           |
| <input type="checkbox"/> Thermal transfer             | <input type="checkbox"/> Eco solvent inkjet     |
| <input type="checkbox"/> Screen printing              | <input type="checkbox"/> Solvent inkjet         |
| <input type="checkbox"/> Offset printing              | <input type="checkbox"/> UV curable inkjet      |

## Compatibility

Avery Dennison® AvFlex2 Flexible Substrate is fully compatible with Avery 5500 QM and Avery 4500TF Translucent Films.

## Uses

Internally illuminated signs  
Awnings  
Billboards.

## Description



**Material:** Semi Gloss Polyester flexible fabric for backlit vinyl signs



**Thickness:** 600 microns  
**Weight:** 680 gsm ± 10gsm



**Thread count:** 18 x 12  
**Structure:** 500D x 1000D



**Outdoor life:** Up to 3 years.  
Vertical exposure.



**Colour:** Translucent white

## Physical characteristics

### General

Caliper,	DIN 53353	600 micron
Weight	DIN 53352	680gsm
Thread count		18*12
Denier		500D*1000D
Tear strength(Trapizoid)	DIN 53455	>340 N/mm
Tensile strength	DIN 53455	>28N/mm
Light Transmission		30%
Wicking resistance		Antiwicking
Mildew resistance		Anti Mildew
Flammability		Fire retardant
Shelf life	Stored at 22° C/50-55 % RH	1 year
Expected Durability **	Vertical exposure	up to 3 years

### Thermal

Application temperature	Minimum: + 10°C
Temperature range	- 20°C to + 80°C

### 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.

### \*\*Expected Durability

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within Zone 1 of the Avery Dennison zone system, in outdoor vertical exposure conditions.

The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films. In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.