

# Avery Dennison® AvFlex 1 Flexible Substrate

## Features

- Pure white, translucent colour
- Excellent durability and visual result when decorated with Avery 5500QM translucent film
- Can be digitally printed using solvent and UV curable inkjet inks
- Smooth top coating to shed airborne dirt and grime
- Resistant to mildew, fungus and wicking
- Extreme UV resistance for extreme climates
- 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 checked="" type="checkbox"/> <b>Screen printing</b> | <input checked="" type="checkbox"/> <b>Solvent inkjet</b>    |
| <input type="checkbox"/> Offset printing                   | <input checked="" type="checkbox"/> <b>UV curable inkjet</b> |

\*Always test with your combination of printer and inks prior to commercial use.

## Compatibility

Avery Dennison® AvFlex 1 Flexible Substrate is fully compatible with Avery 5500 QM and Avery 4500TF Translucent Film series. Screen inks, and computerised digital print methods are in general fully compatible with Avery Dennison® AvFlex 1 Flexible Substrate, but the decoration medium should be tested by the converter prior to its decoration process and final use.

## Uses

Internally illuminated signs  
Awnings  
Billboards.

## Description



**Material:** Semi Gloss Polyester flexible fabric for backlit vinyl and digitally printed signs.



**Thickness:** 660 µ (0.6mm)  
**Weight:** 750 gsm ± 10gsm



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



**Outdoor life:** Up to 5 years  
Unprinted. Vertical exposure.



**Colour:** Translucent white

## Physical characteristics

### General

Caliper,	DIN 53353	660 micron
Weight	DIN 53352	750 gsm
Thread count		18*12
Denier		1000D*1000D
Tear strength(Trapizoid)	DIN 53363	15.4 / 20.8 Kg/cm
Tensile strength	DIN 53354	26.8 / 30.0 Kg/cm
Light Transmission		36.2%
Wicking resistance		Antiwicking
Mildew resistance		Anti Mildew
Flammability		Fire retardant
Shelf life	Stored at 22° C/50-55 % RH	1 year
Durability **	Vertical exposure	up to 5 years Unprinted

### Thermal

Application temperature	Minimum: + 10°C
Temperature range	- 20°C to + 60°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 authorized 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.

+Compatible with most media and ink combinations. Test prior to use.

\*\*\*Information unavailable at time of printing.