

Avery® AvFlex 1

Flexible Substrate for use with Avery 5500 QM Series Translucent

Description	Material:	Polyester flexible fabric
	Thickness:	0.5mm
	Weight:	650 g/m ²
	Tensile strength:	150 x 150 kg/inch
	Tearing strength:	Length – 300 x 400 N Width – 57 kg
	Light permeability:	24%
	Outdoor life:	up to 10 years

- Construction** Avery® AvFlex 1 is a flexible substrate with a high count 1000 denier polyester fabric. The coating contains the finest additives for prohibiting microbial growth. The outer top coating on the face (smooth) side is designed to:
- Block any possible plasticiser migration.
 - Increase UV resistance by filtering and reflecting UV rays.
 - Be impervious to solvents, graffiti, airborne pollution, bird droppings and leaf stains.
 - Create a surface that allows self adhesive films to bond and adhere without bubbling and peeling.
 - Lower surface tension so rain water washes clean.

- Features**
- Pure white, translucent colour completely diffuses fabric weave.
 - Excellent durability and visual results when decorated with Avery 5500QM Translucent Film.
 - Smooth top coating to shed airborne dirt and grime.
 - Very wide seamless widths, to ensure seams and shadows do not interfere with the sign design.
 - Self cleaning properties prevent airborne and pollutants adherence.
 - Resistance to fading, discolouration, cracking and weathering.
 - Resistance to mildew, fungus and wicking.

Uses AvFlex 1, Avery's premium flexible substrate is ideal for a wide range of indoor and long term outdoor small to medium sized signs.

Common Applications

- Internally illuminated signs
- Billboards
- Outdoor advertising

Physical characteristics

Description	Property	Unit
Base fibre	Polyester (low shrink) 1100x 1000	D-Tex Denier
Thread count	9 x 9	cm ²
Total weight	650	gm ²
Thickness	0.50	mm
Tensile strength	150 x 150	kg/25mm
Tear resistance (warp/fill)	300 x 400	N
Light transmission	24 +/- 2	%
Mildew resistance	excellent, no growth	
Weatherability	excellent, QUV >3000	hours
Flame resistance	flame out: 2 Max 3.5	seconds char
Cold resistance	-30	°C
Heat resistance	+70	°C
Wicking resistance	anti-wick Slight wick	warp fill
Elongation at break	20-25	%

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 for their specific use.

All technical data subject to change without prior notice.

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

The durability is based on European exposure conditions. 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 areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.