

Avery Dennison[®] MPI 4540 Mesh with liner

270gsm Matte White Woven Mesh Banner

Features

- 270gsm woven mesh construction
- With PVC liner
- Displays bright vibrant colours whilst allowing air flow through the banner
- Excellent wind resistance
- Light weight
- Up to 3.2m wide seamless construction
- Compatible with most popular solvent inkjet printers
- Good Stay-flatness during printing
- Rapid ink drying
- Good outdoor durability
- Very good tear resistance
- Resistant to UV, rain, fungi and frost

Conversion*

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

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

Standards

MPI 4530 Mesh banner complies to: AS 2001.2.34-90 Determination of Permeability of Fabrics to Air, equivalent to ISO 9237. CSIRO Independently tested report is available on request.

Uses

Avery Dennison MPI 4530 Mesh is a versatile banner for a wide range of indoor and outdoor applications, for use in high wind areas and where good durability and full colour printability is required.

Description

Film	270gsm (8oz) matte white woven PVC banner with PVC liner
Scrim Construction	500 x 1000 denier 18 x 12 per square inch
Standard Widths	1.37m
Maximum Width	3.2m
Roll Length	50m
Outdoor Life	Up to 3 year (unprinted)
Printability	Suitable with most solvent inkjet printers including Roland, Vutek, NUR, Scitex, Mutoh Mimaki and DGI

Common Applications

- Building wraps
- Construction sites
- Bridges and pedestrian overpasses
- Advertising hoardings
- Outdoor banners & displays
- Event and Exhibition fencing

Physical characteristics

General

Weight		270gsm (8oz)
Tensile strength - Length	ISO 13934-1:1999	810 N / 50mm
- Width	ISO 13934-1:1999	900 N / 50mm
Tear Strength - Length	ISO 13937-2:2000	180 N / 50mm
- Width	ISO 13937-2:2000	189 N / 50mm
Shelf life	Stored at 22° C / 50-60 & RH	1 year
Durability **	Vertical exposure	Up to 3 year (outdoor)
Resistance to weathering	ASTM G26, XENON ARCLAMP, 18Min. SPRAY/2HRS., 100HRS EXPOSURE	No Change
Air Permeability#	AS 2001.2.34-90 Determination of Permeability of Fabrics to Air @ pressure differential of 196 PA = equivalent to ISO 9237	>444.4 cm ³ /cm ² sec

Thermal

Resistance to low temperature	DIN53351	-30°C
Resistance to high temperature	DIN53351	+70°C

Chemical

Determination resistance of synthetic polymeric materials to fungi	ASTM G21-1996	0
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Note:

Materials have to be properly dried and cured before further processing, like laminating, varnishing, trimming, contour cutting or application. The residual solvents can otherwise change the products' specific features and properties.

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.

1. 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.

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

***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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