



TECHNICAL DATA SHEET

SHIELDING SOLUTIONS SHW-GL001 LAMINATED GLASS SHIELDED WINDOW

Product overview

SHW-GL001 are a range of laminated glass windows combined with woven mesh to combine maximum visibility, good cosmetic appearance and excellent shielding effectiveness. They can be combined with polarizers, tints, contrast enhancement filters, anti glare etches or coatings, for various required end uses.

These are excellent for display cabinets, medical equipment, MRI Rooms, durable equipment, electrical generation facilities, etc.

Being fully laminated ensures clarity and prevents the build up of debris within the window.

Key features

- High visible light transmission
- Good resistance to many chemicals / contaminants
- Good high temperature / humidity stability
- Tough, durable and scratch resistant



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Shielding Effectiveness

100kHz (H field)	127dB
100MHz (E field)	110dB
500MHz (E field)	92dB
2GHz (Plane wave)	72dB
10GHz (Plane wave)	50dB

The above results are based upon 300mm x 300mm mesh samples tested by independent test houses under laboratory conditions, consistent with MIL-STD-285 and are for guidance only.

Material Properties

Thickness	1.0mm – 12.0mm
Density	1.2gcm ⁻³
Refractive index	1.49
Maximum service temperature	80°C
Water absorption – long-term exposure to 100% RH	<2%
Dimensional stability - 150°C / 30 minutes	<0.25%

Note: The values shown on this data sheet are typical of this product and are not intended as for use as a specification. In any event we recommend that the material is fully evaluated for suitability in its intended application.



Shielding Solutions Ltd
46 Springwood Drive
Braintree
Essex
CM7 2YN

Tel: 01376 330033

Fax: 01376 339163

Web: www.shielding-solutions.com

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