

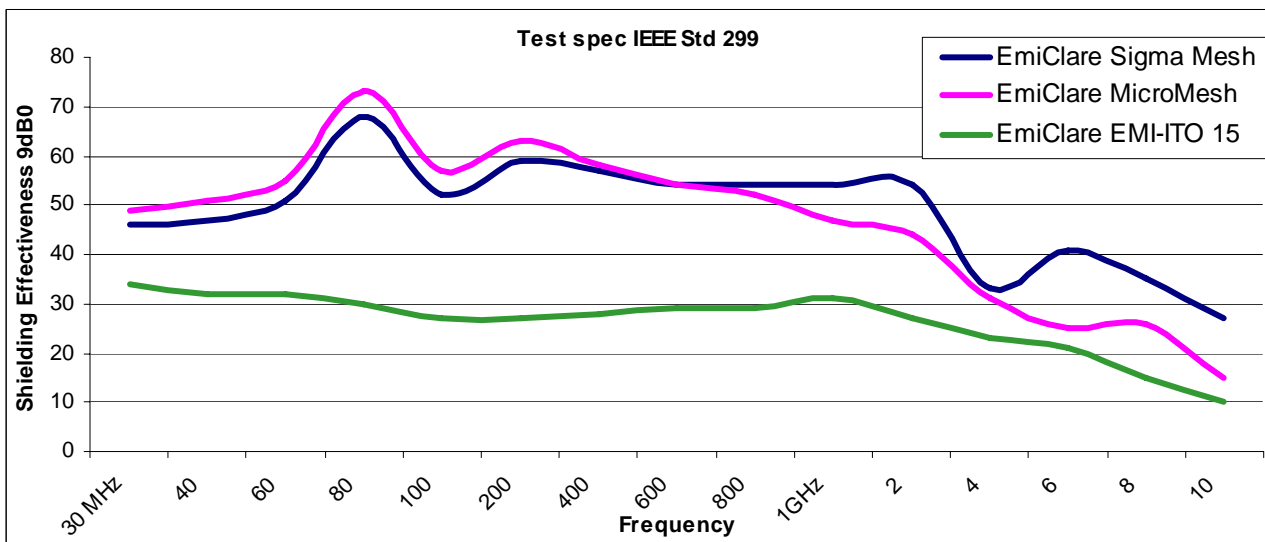
EMI Mesh

Woven meshes for shielded windows, apertures and displays where an electronic enclosure requires shielding from electromagnetic interference (EMI) or is emitting electromagnetic energy which may cause interference with another system but requires a high level of visible light transmission or image clarity.

Product range

- Blackened 100opi copper is a rugged mesh that is recommend for standalone use.
- EmiClare Mesh is Optical filters proprietary mesh optimised for optical performance without sacrificing EMI performance. This is only supplied in finished window formats Sigma and Ultra
- MicroMesh is an subtractive copper grid matrix with higher light transmission and optical clarity. This is only supplied in fully laminated windows.
- Conventional plated and blackened stainless steel metal mesh are also available.
- 15ohms/sq EMI-ito coated polyester film that has no grid but lower shielding effectiveness.

Material	Light T%	Surface Resistivity Ohms/sq	Format
EmiClare Mesh	80%	0.030	Fully laminated Sigma or Ultra window
EmiClare MicroMesh	89%	0.050	Fully laminated windows only
50opi Blk copper	80%	0.010	Fully laminated windows or framed parts
50opi .030µm Blk Cu plated S/S	80%	0.025	Sheets 450 x 600mm
80opi .030µm Blk Cu plated S/S	65%	0.020	Sheets 450 x 600mm
100opi .030µm Blk Cu plated S/S	60%	0.020	Sheets 450 x 600mm
100opi .050µm OFL Blk Copper	60%	0.010	Sheets from 600mm sq upto rolls 2000mm wide
100opi .050µm unblk copper	60%	0.010	Rolls 1200m wide
EMI-ito 15 film	82%	15	Sheets from 350mm sq upto rolls 762mm wide



Blackening

To eliminate light reflections the mesh is blackened. Optical filters proprietary blackening system is highly conductive and enhances shielding effectiveness at frequencies below 10GHz. The stainless steel meshes are copper plated before blackening.

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