EmiClare Solo EMI Mesh

EmiClare Solo EMI mesh is a conductive coated woven mesh 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.

Features

- **Conductive blackened finish to eliminate light reflections**

  Optical filters proprietary blackening process is highly conductive as well providing an even blackened finish around all the mesh. The surface resistance is 0.15Ω/sq

- **Flexibility and memory spring effect**

  The durable polyester based weave is highly resistant to handling, compared to solid woven meshes the structure will return to its original form maintaining the grid and avoiding damage.

- **High light transmission**

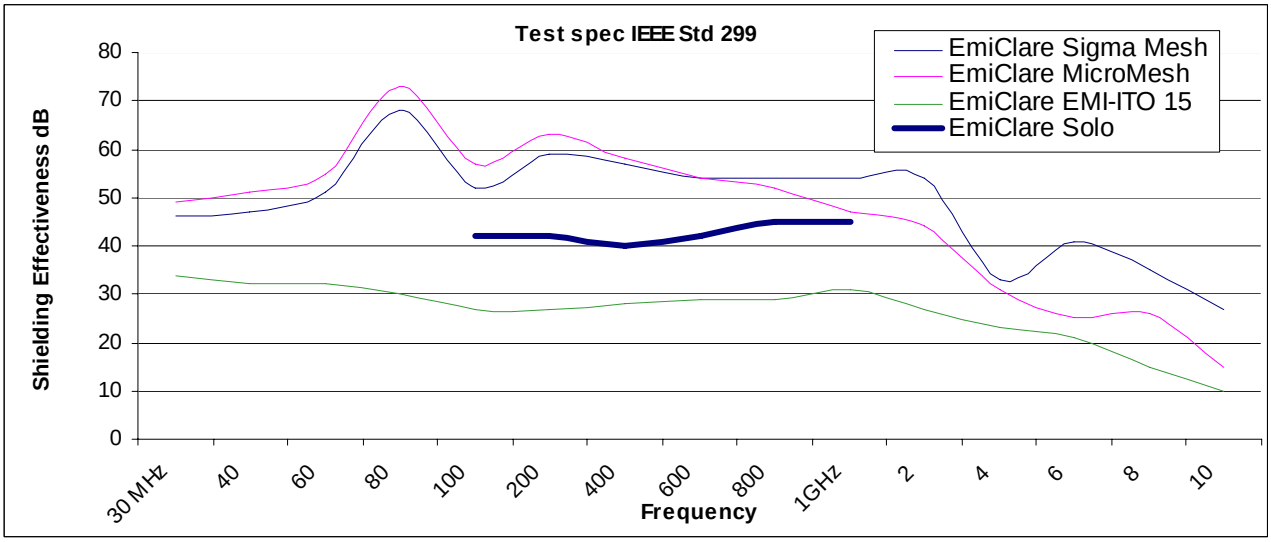
  The finer 30µm thread construction and open weave provide an open area greater then a traditional 80opi wire resulting in a high light transmission of 69% @ 550nm.

- **Optical clarity**

  A special opening configuration of 135opi combined with the consistent grid structure greatly reduce moiré fringing interference when mounted on a display.

- **Good EMI shielding**

  Conductive blackening of the copper plating of the base polyester provides a good level of shielding effectiveness. Table below show the comparative performance with in the EmiClare range.



Product range

- Rolls (1200mm x 50m = 60sq meters) and standard sheets (600mm sq) are available ex-stock.
- Custom cut parts, sheets and laminated windows in polycarbonate or glass our to order.

Related products

- Traditional blackened wire EMI mesh formats such as 100opi copper and 80opi stainless steel.
- EmiClare Sigma fully laminated EMI polycarbonate.

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