

## RFI Mesh Shielded Windows

Optolite shielded filter windows have been designed for electronic displays, combining a high level of electromagnetic shielding with excellent contrast enhancement. They are used extensively to minimise radio frequency emissions generated by enclosed electronic equipment and to protect electronic equipment from electromagnetic interference arising from external sources.

Display quality micro-fine mesh, incorporating glare reducing finishes in Cast Optolite HSR, Cast Optolite Acrylic, Laminated Polycarbonate and Glass to offer the most effective and unique solution to shielded display problems.



## EMI Shielding Performance of Mesh Filters

Sample Number

Frequency	Test Mode	1	2	3	4	5	6	7
100 MHz	E	92	90	75	66	62	64	10
400 MHz	P	75	74	70	62	68	68	0
1 GHz	P	58	76	72	64	66	66	0
10 GHz	P	32	38	40	36	36	36	0
18 GHz	P	28	35	40	40	38	38	0
40GHz	P	15	18	22	20	18	18	0

All of the above results have been tested and comply to MIL-STD-285 and are for guidance only.

The above results are based upon 300mm x 300mm mesh samples.

## Typical Applications of Optolite Shielded Windows

- Aerospace and Defence
- Radio and Telecommunication
- Industrial Manufacturing Equipment
- Medical and Scientific Apparatus
- Information Technology
- Flat Panel Displays in Electronic Equipment