

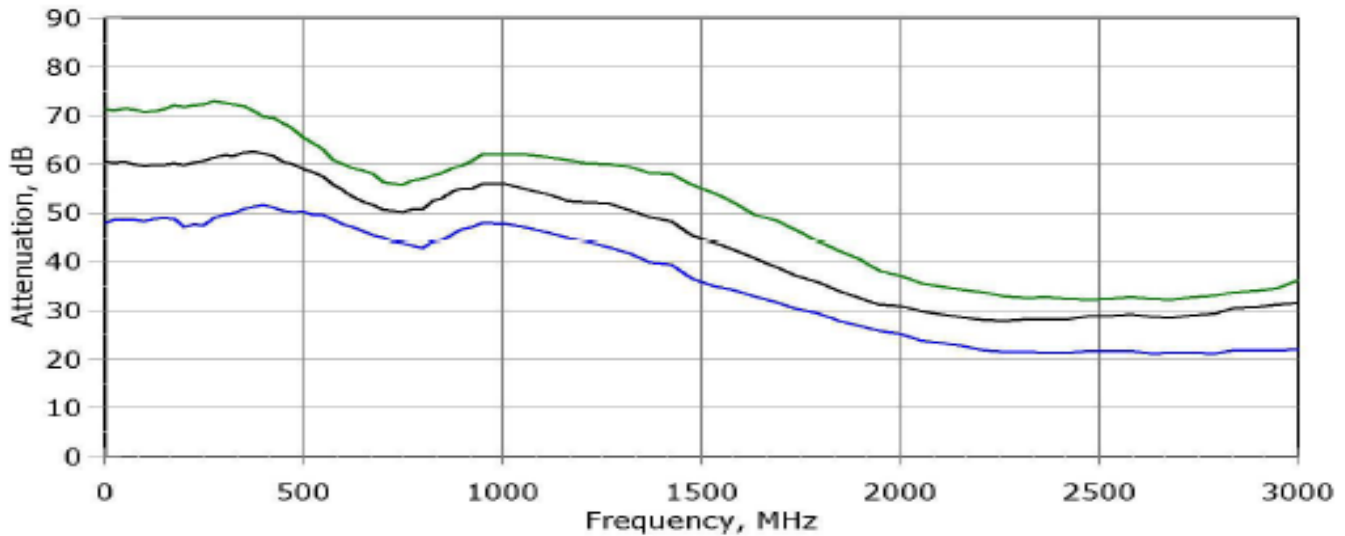


## Diamond Mesh

### Electromagnetic Shielding Properties

#### Performance characteristics

EM Nearfield, open area 400 x 300 mm



■ DIA SS – 30

■ DIA SS – 25

■ DIA CP – 30

## Optical Properties

Material / Mesh Type

Transmission

DIA SS – 30	81%
DIA SS – 25	75%
DIA CP – 30	72%

**SS – STAINLESS STEEL**

**CP – COPPER**





## Mechanical Properties

Parameter (Selected)	Test	Values
Tensile Strength (Rupture)	DIN 53455	65–68 MPa
Elongation at rupture	DIN 53455	3–4 %
Flexural Strength (Rupture)	DIN 53452	120 MPa
Specific heat	–	1.46 J/g °C
Heat stability-Vicat (3mm)	DIN 53460	110 °C
Linear thermal exp. coefficient	VDE 0304	0.08mm/m °C <sup>-1</sup>
Thermal conductivity	–	0.186 W/m K
Refractive index	–	1.49
Fire behaviour	UL94	HB

