

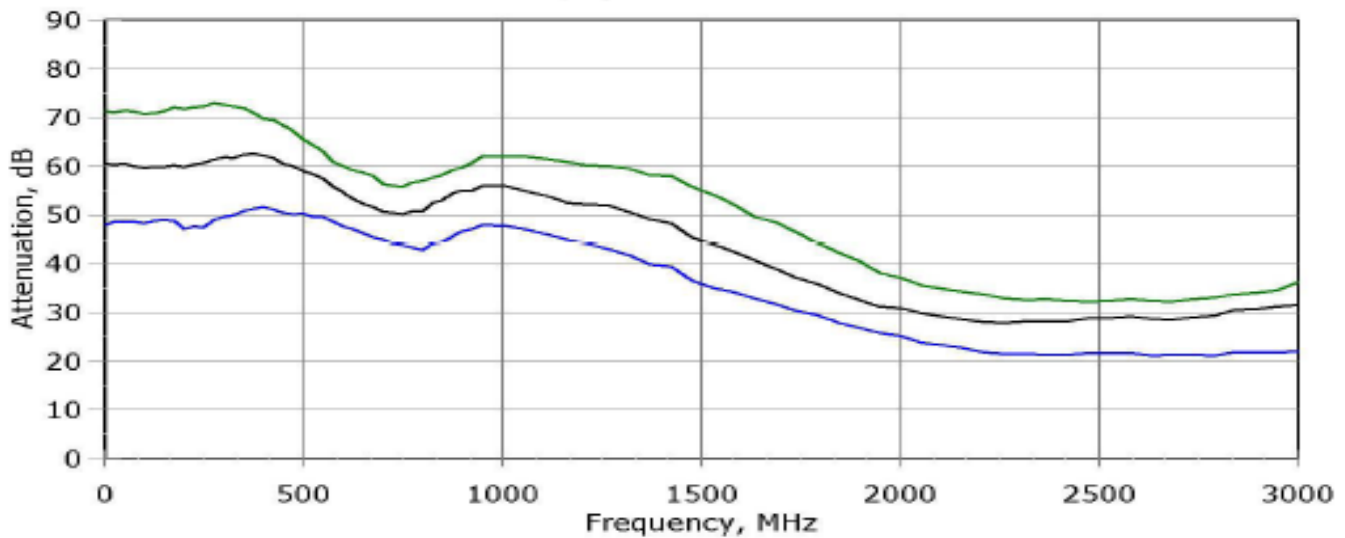


Diamond Mesh

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



www.diamondcoatings.com
 Diamond Coatings Inc,
 4830 S. 36th Street, Phoenix,
 Arizona, AZ 85040

Phone: +1 480 999 3456
 Email: sales@diamondcoatings.com



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 ¹⁻ |
| Thermal conductivity | – | 0.186 W/m K |
| Refractive index | – | 1.49 |
| Fire behaviour | UL94 | HB |

