



DIAMOND
COATINGS



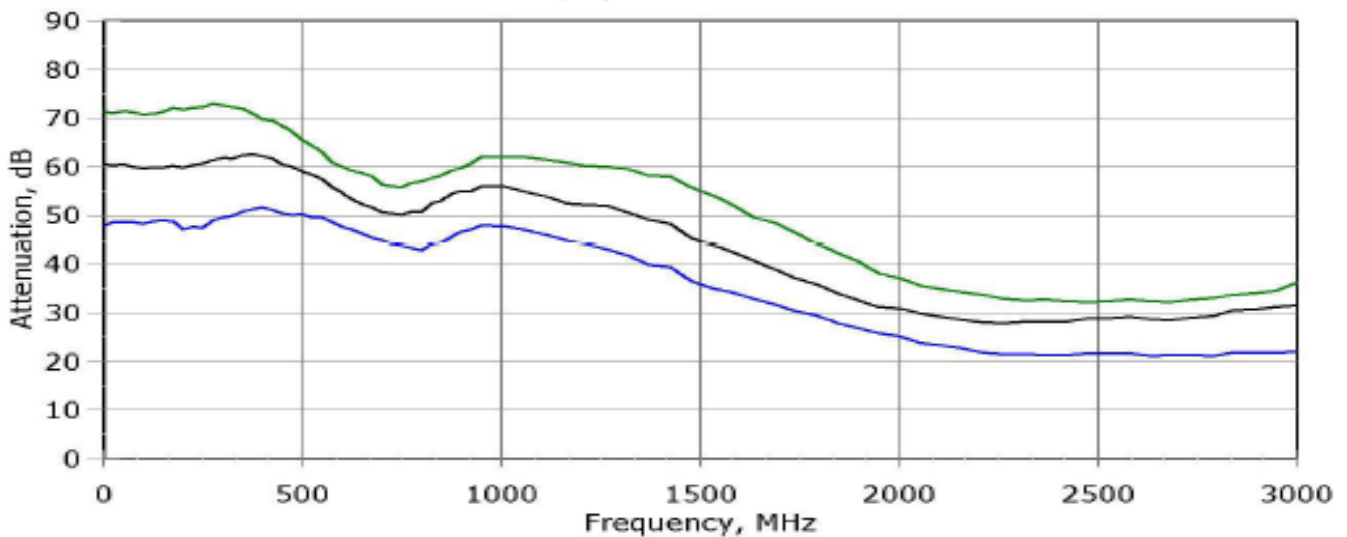
Diamond Mesh Datasheet

DIAMOND MESH

Electromagnetic Shielding Properties

Performance characteristics

EM Nearfield, open area 400 x 300 mm



 DIA SS – 30

 DIA SS – 25

 DIA CP - 30

DIAMOND COATINGS LTD.

Unit 2a, Harvey Works Industrial Estate,
Shelah Road,
Halesowen, West Midlands, B63 3PG
Tel: +44 (0) 121 550 9430
Email: enquiries@diamondcoatings.co.uk
Web: www.diamondcoatings.co.uk

DIAMOND COATINGS INC.

4830 S. 36th Street,
Phoenix, Arizona,
85040
Tel: +1 (480) 999 3456
Email: sales@diamondcoatings.com
Web: www.diamondcoatings.com



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Diamond Mesh Datasheet

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

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