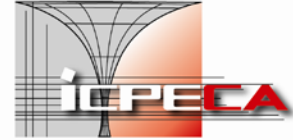




Nr. Registrul Comerțului
J40/3800/2001
Cod Fiscal RO 13827850
Capital Social: 381.108 Lei
Trezorerie M.B.:
RO24TREZ7005069XX002740

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FLEXIBLE ELECTROMAGNETIC SHIELDS

Description:

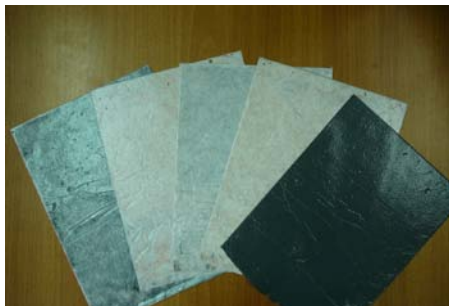
INCDIE ICPE-CA Bucharest, Romania, can manufacture some composites materials obtained by embedding copper and soft magnetic alloys-based glass-coated micro wires in an elastomeric matrix, with applications as electromagnetic shields.

Physical and functional characteristics:

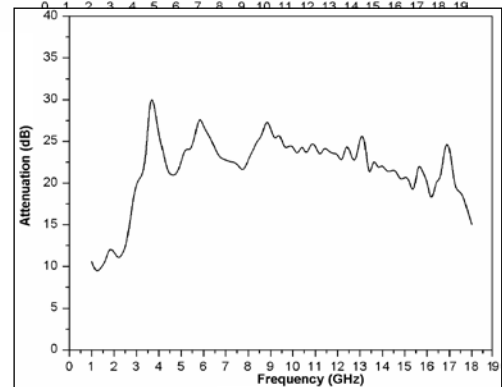
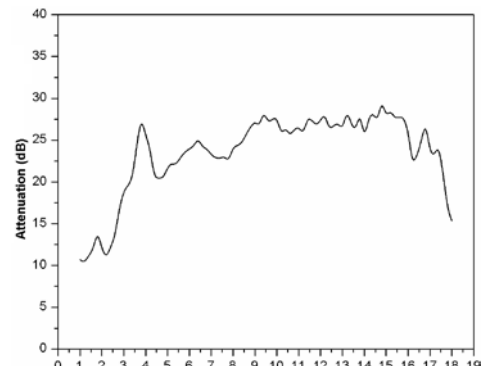
- density: 0.98 – 1.1 g/dm³;
- electromagnetic radiation attenuation: 20–30 dB for the frequency range of 3 – 16 GHz and 1.0 mm thickness.

Advantages. *Attenuation vs. frequency for shields made from composites with various mixtures of glass-coated micro-wires.*

- excellent flexibility due to the elastomeric matrix;
- good adherence on various surfaces.



Flexible electromagnetic shields



Advantages:

- high flexibility due to the elastomeric matrix;
- good adherence on various surfaces.

Attenuation vs. frequency for shields made from composites with various glass-coated micro-wires mixtures

Applications: In aeronautics, for devices and equipment operating at super high frequency range: radar altimeters (4.3 GHz), microwave landing systems (5.0 – 5.1 GHz), Doppler navigation systems (8.8 GHz), weather radars (9.375 GHz).