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Electromagnetic Radiation Absorbers on the Basis of Fibrous Materials with the Content of Allotropic Carbon Forms

Authors : Elena S. Belousova, Olga V. Boiprav

Abstract : A technique for incorporating particles of allotropic forms of carbon into a fibrous material has been developed. It can be used for the manufacture of composite electromagnetic radiation absorbers. The frequency characteristics of electromagnetic radiation reflection and transmission coefficients in the microwave range of absorbers on the basis of powdered carbon black, activated carbon, shungite, graphite, manufactured in accordance with the developed technique, have been studied.

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