

The Effectiveness of Conductive Fiber Structures in Electromagnetic Absorption

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ABSTRACT

This research focuses on stainless-steel conductive fibers and its weaving structure in acting as the conductive layers in absorbing electromagnetic waves. It also explores material reflection, diffraction, and resonance absorption characteristics using various woven structures as experimental controls. The objective of this experiment is to create an effective electromagnetic absorption layer that is structurally stable yet soft.

Keywords: electromagnetic absorption, stainless-steel conductive fibers, weaving structure

