

Abstract

Provided in the present disclosure are a nickel-plated carbon fiber film, a manufacturing method of the nickel-plated carbon fiber film, a shielding structure and a preparation method of the shielding structure. The nickel-plated carbon fiber film comprises: at least one carbon fiber base fabric, metal colloid particles adhering to a surface of the carbon fiber base fabric; at least one nickel metal layer, which is provided on a surface of the carbon fiber base fabric and a surface of the metal colloid particles that is far from the carbon fiber base fabric. In the nickel-plated carbon fiber film, metal colloid particles is adhesive such that the nickel metal layer better adheres to the carbon fiber base fabric; the electromagnetic shielding performance of the nickel-plated carbon fiber film is further enhanced such that the nickel-plated carbon fiber film has better mechanical and physical performance while also having better electromagnetic shielding performance.