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Abstract

A nonmetal material modified thermoplastic resin composite and a method for preparing products using said composite

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The invention relates to nonmetal material modified thermoplastic resin composite, comprising the following materials by weight percentages: 50-70% of filling, 25-40% of polypropylene, 3-6% of maleic anhydride modified polypropylene, 1-3% of titanium dioxide and 1-2% antioxidant.

10 Said filling has been modified by stearic acid. The invention also provides a method for producing products like sanitary wares, hardware of sanitary wares, outdoor products, decorative pipes of external walls and decorations of public scenes using the nonmetal material modified thermoplastic resin composite. The raw materials are widely available and the preparation does
15 not require long-time burning with high energy consumption, thus possessing the advantages such as low energy consumption, high mechanical automation degree, low labor intensity, and high yield, which is applicable to industrial mass production. The invented nonmetal material modified thermoplastic resin composite is applicable to the production of sanitary
20 wares, hardware of sanitary wares, outdoor products, decorative pipes of external walls and decorations of public scenes.