

AbstractAn antimicrobial plastic

- 5    There is provided an antimicrobial plastic comprising: a thermoplastic polymer and a polycationic polymer, wherein the polycationic polymer forms semi-free surface nanostructures with the thermoplastic polymer, the semi-free surface nanostructures capable of electrostatically bonding with bacterial components. There is also provided a method of preparing the antimicrobial plastic.

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(Figure 1)