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(54) Title: ANTIMICROBIAL POLYMER RESINS, FIBERS, AND YARNS WITH ZINC AND PHOSPHORUS CONTENT

(57) Abstract: The present disclosure relates to polymer resins, fibers, and yarns with permanent antimicrobial activity, and a method of producing the same. In one embodiment, the antimicrobial polymer resin comprises a polymer having less than 2500 ppm of zinc dispersed within the polymer, less than 1000 ppm of phosphorus, wherein the weight ratio of zinc to phosphorus is at least 1.3:1 or less than 0.64:1.



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