

Title (en)
PROCESS FOR METALLIZING POLYESTERS AND METALLIZED POLYESTERS

Title (de)
VERFAHREN ZUR METALLISIERUNG VON POLYESTER UND METALLISierter POLYESTER

Title (fr)
PROCÉDÉ DE MÉTALLISATION DE POLYESTER ET POLYESTER MÉTALLISÉ

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Abstract (en)
[origin: WO2008062017A1] The present invention relates to a process for metallizing polyesters, in which the polyester is - treated with a basic solution, - treated with at least one compound which has at least one functional group selected from the group consisting of a primary amine, a secondary amine, a thiol, a sulphide and an olefin and the compound is crosslinked, - the treated polyester is treated with a solution containing at least one metal salt selected from the group consisting of a silver salt, a copper salt and a nickel salt and at least one complexing agent and - treated with at least one reducing agent. The present invention likewise relates to polyesters which have been metallized by this process and also their use for the antimicrobial treatment of liquid in liquid-conducting systems or for producing hosiery, insoles, clothing, covering textiles for seating furniture or mattresses. The present invention further relates to a coated polyester comprising a polyester which has a layer of a crosslinking product of a compound having at least one functional group selected from the group consisting of a primary amine, a secondary amine, a thiol, a sulphide and an olefin and a layer of at least one metal selected from the group consisting of silver, copper and nickel.

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