

Abstract

A method for metallizing polyester and metallized polyester

- 5 The present invention relates to a method for metallizing polyester, wherein the polyester
- is treated with an alkaline solution,
 - is treated with at least one compound having at least one functional group selected from the group consisting of a primary amine, a secondary amine, a
 - 10 thiol, a sulphide, and an olefin, and the compound is cross-linked,
 - 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
 - is treated with at least one reducing agent.
- 15 Also, the present invention relates to polyesters metallized according to this method as well as the use thereof for antimicrobially treating liquid in liquid-guiding systems or for producing socks, insoles, clothing, covering textiles for seating furniture or mattresses. Furthermore, the present invention relates to a coated polyester containing a polyester having a layer of a cross-linked product
- 20 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.
- 25 No Figures