

ABSTRACT**METHOD FOR MANUFACTURING POLYVINYL CHLORIDE-BASED ARTIFICIAL HAIR FIBER**

Provided is a method for manufacturing polyvinyl chloride-based artificial hair fiber including cross-linked vinyl chloride-based resin, having improved low gloss appearance, weaving property, gear processing property, and spinning property, while retaining texture of a fiber comprising a polyvinyl chloride-based resin fiber. A method for manufacturing polyvinyl chloride-based artificial hair fiber, including: a step to spin a resin composition including polyvinyl chloride-based resin from a nozzle hole; wherein: the resin composition includes a polyvinyl chloride-based resin; the polyvinyl chloride-based resin comprises 90 to 99 parts by mass of a polyvinyl chloride-based resin (A) having a viscosity-average polymerization degree of 450 to 1700, and 10 to 1 part by mass of a cross-linked vinyl chloride-based resin (B), a tetrahydrofuran soluble component in the cross-linked vinyl chloride-based resin (B) having a viscosity-average polymerization degree of 1800 to 2300; the difference between the viscosity-average polymerization degree of the tetrahydrofuran soluble component in the cross-linked vinyl chloride-based resin (B) and the viscosity-average polymerization degree of the polyvinyl chloride-based resin (A) is 600 to 1850; and the nozzle hole has a minimum value (I_{min}) of a cross-sectional secondary moment of an axis which penetrates a center of a figure of a cross section of the nozzle hole of $1 \times 10^{-4} \text{ mm}^4$ to $15 \times 10^{-4} \text{ mm}^4$.

[No Figure]