

ABSTRACT

There is provided a method for manufacturing a wig imitation hair configured with an optical fiber, comprising: a first step of fixing a plastic optical fiber P on a deformable core member 50 by spirally winding the plastic optical fiber P around the core member 50, the core member 50 being formed of a cloth rolled in a roll shape; a second step of heating the core member 50 around which the plastic optical fiber P is wound by holding the core member 50 in a housing 60 having an internal temperature of $80^{\circ}\text{C}\pm 5^{\circ}\text{C}$ for a predetermined period of time; and a third step of cooling the heated plastic optical fiber P and removing the plastic optical fiber P from the core member 50, wherein the plastic optical fiber P includes a core portion made of polymethyl methacrylate (PMMA) and a clad portion made of fluorine plastic, and a wig using the wig imitation hair.