CLAIMS

1. A fiber for artificial hair comprising a thermoplastic polyamide and a polymeric antistatic agent having compatibility with the thermoplastic polyamide, wherein the polymeric antistatic agent has a melting point equal to or lower than the melting point of the thermoplastic polyamide;

the thermoplastic polyamide has a melting point of 170 to 270°C;

the polymeric antistatic agent is at least one selected from the group consisting of a condensation product of polyamide having carboxyl groups at both ends and aromatic ring-containing polyethylene glycol, and a block copolymer having polyethylene oxide block and polyolefin-based block; and

further comprising a thermoplastic polyester which is incompatible with and has a higher melting point than the thermoplastic polyamide.

2. The fiber for artificial hair according to claim 1, wherein the polymeric antistatic agent has a melting point of 160 to 250°C.

3. The fiber for artificial hair according to claim 1 or 2, wherein the polymeric antistatic agent has a melt flow rate at 215°C of 10 to 40 g/10 min.

4. The fiber for artificial hair according to any one of

claims 1 to 3, wherein the polymeric antistatic agent has a surface specific resistance value of 10^6 to 10^{10} Ω/□.

5. The fiber for artificial hair according to any one of claims 1 to 4, wherein the polymeric antistatic agent is contained in an amount of 0.5 to 10% by weight.

6. The fiber for artificial hair according to any one of claims 1 to 5, having a weight ratio of the thermoplastic polyamide to the thermoplastic polyester of 75/25 to 85/15.

7. The fiber for artificial hair according to any one of claims 1 to 6 having concavoconvex configuration formed on its surface, wherein convex portions in the concavoconvex configuration comprises thermoplastic polyester particles.

8. The fiber for artificial hair according to any one of claims 1 to 7, having a matrix comprising the thermoplastic polyamide and a domain comprising the thermoplastic polyester.

9. The fiber for artificial hair according to any one of claims 1 to 8, wherein the thermoplastic polyamide is at least one thermoplastic resin selected from the group consisting of a linear saturated aliphatic polyamide, an alternating copolymer of hexamethylenediamine and terephthalic acid, and an alternating copolymer of meta-xylenediamine and adipic acid.

10. The fiber for artificial hair according to any one of claims 1 to 9, wherein the thermoplastic polyester is at

least one thermoplastic resin selected from the group consisting of polyethylene terephthalate and polybutylene terephthalate.

11. A wig having a wig base and fibers for artificial hair according to any one of claims 1 to 10 implanted in the wig base.

12. A method of producing the fiber for artificial hair according to any one of claims 1 to 11, comprising the steps of melt-mixing a thermoplastic polyamide, a polyester which is incompatible with and has a higher melting point than the thermoplastic polyamide, and a polymeric antistatic agent at a melting temperature equal to or higher than the melting points of these three components, extruding the melt-mixed resin at a discharge temperature equal to lower than the above melting temperature, and forming it into a fibrous form.

13. The method according to claim 12, wherein the discharge temperature is lower than the melting point of the thermoplastic polyester.

14. The method according to claim 13, wherein the discharge temperature is lower than the melting point of the thermoplastic polyester in the range of 5°C or higher and 30°C or lower.