Claims

[Claim 1]

A powder coating material composition, comprising a tetrafluoroethylene-based copolymer, wherein the tetrafluoroethylene-based copolymer is a copolymer of 9.0 to 13.0 mass% of hexafluoropropylene, 0.8 to 3.0 mass% of a perfluoroalkyl vinyl ether, and tetrafluoroethylene, having a melt flow rate of 13 to 26 g/10-min, a melting point of 240 to 270°C, an average particle size of 5 to 500 μm and an apparent density of 0.5 to 1.1 g/ml.

[Claim 2]

The powder coating material composition according to claim 1, further comprising a thermal stabilizer and/or a coloring pigment.

[Claim 3]

The powder coating material composition according to claim 2, wherein the thermal stabilizer is at least any one selected from the group consisting of an amine-type antioxidant, an organic sulfur-containing compound, and a metal powder.

[Claim 4]

A film formed from the powder coating material composition according to any one of claims 1 to 3.

[Claim 5]

A film formed form the powder coating material composition according to any one of claims 1 to 3 by an electrostatic coating method.

[Claim 6]

A laminate, comprising the film according to claim 4.

[Claim 7]

A laminate, comprising the film according to claim 4 in a surface layer.

[Claim 8]

A coated article, wherein the film according to claim 4 is provided on a metal substrate.

[Claim 9]

A coated article, wherein a metal substrate is piping, a pipe, or a duct, and the film according to claim 4 is provided on an inner surface thereof.

[Claim 10]

A film-forming method, comprising:

(1) forming a primer film on an object to be coated; and

(2) forming a film on a surface of the primer film by using the powder coating material composition according to any one of claims 1 to 3 by an electrostatic coating method.