Claims

[Claim 1]

A peelable heat shrink tube comprising a composition containing a melt-processable fluororesin and PTFE, the PTFE lacking a heat history of the melting point or higher after polymerization and having a specific gravity, as measured according to ASTM D4894, of 2.20 or less, a content of the PTFE being 0.05 to 3.0 wt% based on a total weight of the melt-processable fluororesin and the PTFE, and the peelable heat shrink tube having a heat shrinkage rate of 40% or more.

[Claim 2]

The peelable heat shrink tube according to claim 1, which has a transmittance, as measured in compliance with ASTM D1746 15 using a transparency measuring instrument, of 80% or more.

[Claim 3]

The peelable heat shrink tube according to claim 1 or 2, wherein the melt-processable fluororesin is at least one copolymer selected from tetrafluoroethylene-hexafluoropropylene copolymer (FEP), tetrafluoroethylene-perfluoroalkyl vinyl ether copolymer (PFA), tetrafluoroethylene-ethylene copolymer (ETFE), tetrafluoroethylene-hexafluoropropylene-vinylidene fluoride copolymer (THV), and polyvinylidene fluoride-polyvinylidene difluoride (PVDF).

[Claim 4]

A method for producing a peelable heat shrink tube, comprising:

melt-extruding a composition at a temperature lower than a melting point of PTFE,

wherein the composition contains a melt-processable fluororesin and the PTFE, the PTFE lacking a heat history

of the melting point or higher after polymerization and having a specific gravity, as measured according to ASTM D4894, of 2.20 or less, a content of the PTFE being 0.05 to 3.0 wt% based on a total weight of the melt-processable fluororesin and the PTFE.

[Claim 5]

The method for producing a peelable heat shrink tube according to claim 4, further comprising:

performing melt extrusion under such conditions that a drawdown ratio (DDR), as calculated from the following equation, is 20 to 300

$$DDR = (D_D^2 - D_T2)/(D_o2 - D_r^2)$$

where D_D represents an inner diameter of a die, D_T represents an outer diameter of a mandrel, D_o represents an outer diameter of the tube, and D_r represents an inner diameter of the tube.

[Claim 6]

The method for producing a peelable heat shrink tube according to claim 4 or 5, further comprising:

premixing the melt-processable fluororesin and the PTFE;

then melt-mixing a resulting mixture at a temperature lower than the melting point of the PTFE to obtain a pellet-shaped material containing the melt-processable fluororesin and the PTFE; and

further melt-extruding the material at a temperature lower than the melting point of the PTFE.

[Claim 7]

A forming material comprising a composition containing a melt-processable fluororesin and PTFE, the PTFE lacking a heat

history of the melting point or higher after polymerization and having a specific gravity, as measured according to ASTM D4894, of 2.20 or less, the composition having a melt tension ratio (melt tension at 340°C/melt tension at 320°C) of 0.8 or higher, but 30 or lower, and a content of the PTFE being 0.05 to 3.0 wt% based on a total weight of the melt-processable fluororesin and the PTFE.

[Claim 8]

A heat shrink tube comprising the forming material according to claim 7.