Summary

In one aspect, there is provided a process for producing plastics products made of polyphenyl sulphone (PPSU) and polytetrafluoroethylene(PTFE), characterized in that the PTFE content of the mixture is from 4.0% by weight to 6.0% by weight, that the PPSU content of the mixture is from 94.0% by weight to 96.0% by weight, that prior to the extrusion process the proportion of PTFE with a particle size smaller than 3 μm is from 8 to 12% by volume and the proportion of PTFE with a particle size smaller than 25 μm is at at least 88% by volume, that the PTFE and the PPSU are mixed in a first extruder at a temperature of from 345°C to 385°C at an ambient pressure of from 500 to 700 mbar, at a rotation rate of from 220 to 270 min^{-1}, at a screw temperature of from 340 to 390°C and at a torque of from 50% to 80%, and that the pellets obtained after the first extrusion process are extruded in a single-screw extruder to give plastics mouldings.

In another aspect, there is provided the use of plastics mouldings produced by a process as disclosed herein for producing anti-wear tapes.

In another aspect, there is provided the use of anti-wear tapes as disclosed above in pipes for fluids.