

ABSTRACT

Disclosed is a system for producing a polycondensation polymer comprising (A) an inert gas absorption device for causing a molten polycondensation prepolymer to absorb an inert gas to thereby obtain (α) a molten prepolymer having the inert gas absorbed therein, (B) a polymerizer device for polymerizing inert gas-absorbed molten prepolymer (α) under reduced pressure, and (C) a pipe for transferring inert gas-absorbed molten prepolymer (α) from absorption device (A) to polymerizer device (B), wherein absorption device (A) and polymerizer device (B) are arranged in this order and connected to each other through pipe (C). Also disclosed is a method for producing a polycondensation polymer by using the above-mentioned system. By the use of the system or method of the present invention, it has become possible to produce a colorless, high quality polycondensation polymer at high polymerization rate even without using a large amount of an inert gas.