

ABSTRACT

METHOD OF DRYING THERMOPLASTIC NORBORNENE RESIN, THE SUBSTRATE FOR MAGNETIC RECORDING MEDIA USING THE THERMOPLASTIC NORBORNENE RESIN, THE MAGNETIC RECORDING MEDIUM USING THE SUBSTRATE, AND THE METHOD OF MANUFACTURING THE MAGNETIC RECORDING MEDIUM

A method of drying a thermoplastic norbornene resin for controlling the specific gas components therein below certain levels, to provide a reliable plastic substrate made of the thermoplastic norbornene resin dried by the method described above, to provide a magnetic recording medium that employs the plastic substrate described above, and to provide a method of manufacturing the magnetic recording medium described above.

The gas components in thermoplastic norbornene resin pellets are suppressed below certain levels by drying the resin under vacuum or under the ordinary pressure and under vacuum. A substrate for magnetic recording media is manufactured by injection-molding the resin dried by the method according to the invention. The magnetic recording medium, that employs the substrate manufactured according to the invention and includes at least a magnetic layer, a protection layer on the magnetic layer and a liquid lubricant layer on the protection layer, is manufactured by forming these layers one after another on the substrate according to the invention.