ABSTRACT OF THE DISCLOSURE

LUBRICANT, MAGNETIC RECORDING MEDIUM AND HEAD SLIDER

A lubricant is provided that achieves a sufficiently small one-molecule-layer film thickness even when it has a high molecular weight, and has an increased reliability in a wide temperature range environment without losing the flying stability, by making the film thickness of a lubricant layer very small when it is used for the magnetic recording medium lubricant layer and/or head slider lubricant layer of a magnetic recording device. This lubricant comprises a fluorine-containing polymer, the lubricant having a relationship: $Y<-1.4475X+2.815$, wherein Y is a natural logarithm of diffusion coefficient at 23°C (unit:$\mu m^2/s$); and X is a viscosity at 20°C (unit: Pas), or it comprises a fluorine-containing polymer having a particular structure, and with molecular chains between adjacent polar groups that have a number-average molecular weight of not less than 500.

(Figure 3)