

ABSTRACT

Provided is a magnetic disk (10) for a magnetic recording, which comprises a magnetic layer (4) for a magnetic recording, a protecting layer (5) formed over the magnetic layer (4) for protecting the magnetic layer (4), and a lubricating layer (6) formed over the protecting layer (5). The protecting layer (5) is a layer composed substantially of carbon, hydrogen and nitrogen. The atomic ratio (N/C) of nitrogen and carbon, which was calculated from the spectral intensities of N1s and C1s detected for a detection angle of 7 degrees of photoelectrons by an angularly resolved X-ray photoelectron spectroscopy, is 0.15 to 0.25. This constitution of the protecting layer (5) is excellent in wear resistance and sliding characteristics even for a film thickness of 3 nm or less and provides a magnetic disk which can avoid a high fly write trouble or the like.