

ABSTRACT

5 An elastic polyurethane fiber comprising, based on
the fiber weight, from 0.5 to 10% by weight of composite
oxide particles containing aluminium and at least one
combination of zinc and magnesium selected from the group
consisting of combinations of zinc and magnesium in
respective specific ratios. The elastic polyurethane
fiber has excellent chlorine resistance, and is suitable
10 for swimwear for use in swimming pools. The elastic
fiber can be obtained by spinning a polyurethane spinning
dope containing, based on the polyurethane, from 0.5 to
10% by weight of the composite oxide particles. Filter
clogging and yarn breakage caused by secondary
15 agglomeration of the composite oxide particles are
extremely decreased, and stabilized spinning can be
conducted over a long period of time.