

Abstract

HYDROPHILIC COPOLYMER AND MEDICAL DEVICE

[Problem] To provide a hydrophilic copolymer that can form a surface lubricious layer exhibiting superior lubricating property and durability (lubrication retaining property). To also provide a hydrophilic copolymer having a good solvent solubility.

[Means for Resolution] A hydrophilic copolymer containing: structural units derived from a polymerizable monomer (A) having a sulfobetaine structure; structural units derived from a polymerizable monomer (B) having at least one group selected from the group consisting of a sulfonic acid group ($-\text{SO}_3\text{H}$), a sulfuric acid group ($-\text{OSO}_3\text{H}$), a sulfurous acid group ($-\text{OSO}_2\text{H}$), and groups of salts thereof; and structural units derived from a polymerizable monomer (C) having a photoreactive group.