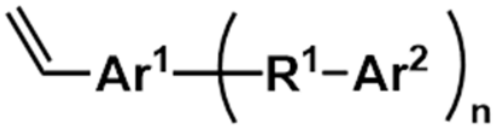
Abstract

Provided are a novel polyfunctional vinyl aromatic copolymer that exhibits improved reactivity and is capable of providing a cured product or molded body having improved uniformity and mechanical properties, and a method for producing the polyfunctional vinyl aromatic copolymer. Specifically provided is a polyfunctional vinyl aromatic copolymer having a structural unit derived from a divinyl aromatic compound (a), an ester group-containing vinyl aromatic compound (b) represented by the formula (1), and a structural unit derived from a monovinyl aromatic compound (c), the copolymer having a number-average molecular weight of 300 to 100,000 and a molecular weight distribution (Mw/Mn), which is represented as a ratio between a weight-average molecular weight and a number-average molecular weight, of 100 or less and being soluble in a solvent. In the formula, Ar1 and Ar2 are each independently an aromatic ring group with a benzene ring or a naphthalene ring, and the aromatic ring in each or either of Ar1 and Ar2 contains an ester group having 1 to 15 carbon atoms as a substituent group.



(1)