

ABSTRACT

Provided is an aromatic vinyl compound-aromatic polyene copolymer that satisfies all of the following conditions (1) to (4): (1) The copolymer has a number average molecular weight of 500 or more and less than 100000. (2) The aromatic vinyl compound monomer is an aromatic vinyl compound having 8 or more and 20 or less carbon atoms, and the content of aromatic vinyl compound monomer units is more than 70 mass%. (3) The aromatic polyene is one or more selected from polyenes having 5 or more and 20 or less carbon atoms and having a plurality of vinyl groups and/or vinylene groups in the molecule, and the content of the vinyl groups and/or the vinylene groups derived from aromatic polyene units is 2 pieces or more and less than 30 pieces per number average molecular weight. (4) One or more selected from olefin monomer units having 2 or more and 20 or less carbon atoms may be included, wherein a total amount of the aromatic vinyl compound monomer units, the aromatic polyene monomer units, and the olefin monomer units, if present, is 100 mass%.