

polymer phase-transfer catalyst

Polymer that acts as a phase-transfer catalyst and thereby causes a significant enhancement of the rate of a reaction between two reactants located in neighboring phases owing to its catalysis of the extraction of one of the reactants across the interface to the other phase where the reaction takes place.

Notes:

1. Polymer phase-transfer catalysts in the form of beads are often referred to as triphase catalysts because such catalysts form the third phase of the reaction system.
2. **See also:** phase-transfer catalyst.

Source:

PAC, 2004, 76, 889 (*Definitions of terms relating to reactions of polymers and to functional polymeric materials (IUPAC Recommendations 2003)*) on page 896