

polymer catalyst

Polymer that exhibits catalytic activity.

Notes:

1. Certain synthetic polymer catalysts can behave like enzymes.
2. Poly(4-vinylpyridine) in its basic form, and sulfonated polystyrene in its acid form, are examples of polymers that can act as catalysts in some base- and acid-catalyzed reactions, respectively.

Source:

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