

functional polymer

1. Polymer that bears specified chemical groups or
2. polymer that has specified physical, chemical, biological, pharmacological, or other uses which depend on specific chemical groups.

Note:

Examples of functions of functional polymers under definition 2. are catalytic activity, selective binding of particular species, capture and transport of electric charge carriers or energy, conversion of light to charge carriers and *vice versa*, and transport of drugs to a particular organ in which the drug is released.

Source:

PAC, 2004, 76, 889 (*Definitions of terms relating to reactions of polymers and to functional polymeric materials (IUPAC Recommendations 2003)*) on page 899