chelating polymer

Polymer containing ligand groups capable of forming bonds (or other attractive interactions) between two or more separate binding sites within the same ligand group and a single atom.

Notes:
1. Chelating polymers mostly act as ion-exchange polymers specific to ions that form chelates with chelating ligands of the polymer.
2. See also: chelation.

Source:
PAC, 2004, 76, 889 (Definitions of terms relating to reactions of polymers and to functional polymeric materials (IUPAC Recommendations 2003)) on page 895