

## ion-exchange polymer

**Also contains definition of:** ion-exchange membrane

Polymer that is able to exchange ions (cations or anions) with ionic components in solution.

Notes:

1. **See also:** ion exchange.
2. An ion-exchange polymer in ionized form may also be referred to as a polyanion or a polycation.
3. Synthetic ion-exchange organic polymers are often network polyelectrolytes.
4. A membrane having ion-exchange groups is called an ion-exchange membrane.
5. Use of the term 'ion-exchange resin' for 'ion-exchange polymer' is strongly discouraged.

**Source:**

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