

**solid polymer electrolyte**

Electrically conducting solution of a salt in a polymer.

Notes:

- 1) An example of a solid polymer electrolyte is a solution of a lithium salt in a poly(oxyethylene) matrix; the ionic conductivity of such material is due to the mobility of lithium cations and their counterions in an electric field.
- 2) Although the adjective “solid” is used, the material may be a liquid.
- 3) The term solid polymer electrolyte should not be confused with the term polymeric electrolyte.
- 4) See also conducting polymer composite.

2006, 78, 2073