

dopant

Charge-transfer agent used to generate, by oxidation or reduction, positive or negative charges in an intrinsically conducting polymer.

Note: Examples of dopants include AsF_5 or I_2 as oxidizing agents, generating cation radicals on the chains of an intrinsically conducting polymer (so-called holes), or a solution of sodium naphthalenidyl in tetrahydrofuran as a reducing agent, generating anion radicals on the chains of an intrinsically conducting polymer.

2006, 78, 2069