

electrophilicity

1. The property of being electrophilic (see electrophile).
2. The relative reactivity of an electrophilic reagent. (It is also sometimes referred to as 'electrophilic power'.) Qualitatively, the concept is related to Lewis acidity. However, whereas Lewis acidity is measured by relative equilibrium constants, electrophilicity is measured by relative rate constants for reactions of different electrophilic reagents towards a common substrate (usually involving attack at a carbon atom).

See also: nucleophilicity

Source:

PAC, 1994, 66, 1077 (*Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994)*) on page 1111