

bond-dissociation energy, D

The enthalpy (per mole) required to break a given bond of some specific

molecular entity by homolysis, e.g. for $\text{CH}_4 \longrightarrow \cdot\text{CH}_3 + \text{H}\cdot$, symbolized as $D(\text{CH}_3-\text{H})$ (cf. heterolytic bond dissociation energy).

See also: bond energy

Source:

PAC, 1994, 66, 1077 (*Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994)*) on page 1089

PAC, 1990, 62, 2167 (*Glossary of atmospheric chemistry terms (Recommendations 1990)*) on page 2176