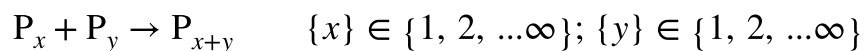


polyaddition

A polymerization in which the growth of polymer chains proceeds by addition reactions between molecules of all degrees of polymerization.

Notes:

1. The growth steps are expressed by:



where P_x and P_y denote chains of degrees of polymerization x and y , respectively.

2. The earlier term 'addition polymerization' embraced both the current concepts of 'polyaddition' and 'chain polymerization', but did not include 'condensative chain polymerization'.

Source:

PAC, 1996, 68, 2287 (*Glossary of basic terms in polymer science (IUPAC Recommendations 1996)*) on page 2307