

curing

Chemical process of converting a prepolymer or a polymer into a polymer of higher molar mass and then into a network.

Notes:

1. Curing is achieved by the induction of chemical reactions which might or might not require mixing with a chemical curing agent.
2. Physical aging, crystallization, physical crosslinking and post-polymerization reactions are sometimes referred to as 'curing'. Use of the term 'curing' to describe such processes is deprecated.

See also: vulcanization

Source:

PAC, 2007, 79, 1801 (*Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007)*) on page 1822