

physical network

Polymer network with junction points or zones formed by physically interacting chains which need not be permanent.

Notes:

1. The junction points or zones need not be permanent over the time scale of the observation or measurement.
2. The interaction can be due to hydrogen bonds, π - π interactions, chain entanglements, *etc.*
3. Modification of the entry given as a note within the definition of network in polymer chemistry.

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 1815