

semi-interpenetrating polymer network (SIPN)

A *polymer* comprising one or more *networks* and one or more *linear* or *branched* polymer(s) characterized by the penetration on a molecular scale of at least one of the networks by at least some of the linear or branched macromolecules.

Note:

Semi-interpenetrating polymer networks are distinguished from *interpenetrating polymer networks* because the constituent linear or branched polymers can, in principle, be separated from the constituent polymer network(s) without breaking chemical bonds; they are polymer blends.

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