

**photosensitive polymer**

Polymer that responds to ultraviolet or visible light by exhibiting a change in its physical properties or its chemical constitution.

Note 1: Examples of the changes in photosensitive polymers are a change in molecular shape (photo-responsive polymer), a change in its constitution (photo-reactive polymer), and a reversible change in color (photochromic polymer).

Note 2: Photosensitivity in photosensitive polymers means that the polymers are sensitive to the irradiated light leading to some change in properties or structure. It is different from photosensitization.

Note 3: See also photoreaction and photochromism.

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