

**macroporous polymer**

Glass or rubbery polymer that includes a large number of macropores (50 nm–1  $\mu$ m in diameter) that persist when the polymer is immersed in solvents or in the dry state.

Note 1: Macroporous polymers are often network polymers produced in bead form. However, linear polymers can also be prepared in the form of macroporous polymer beads.

Note 2: Macroporous polymers swell only slightly in solvents.

Note 3: Macroporous polymers are used, for example, as precursors for ion-exchange polymers, as adsorbents, as supports for catalysts or reagents, and as stationary phases in size-exclusion chromatography columns.

Note 4: Porous polymers with pore diameters from *ca* 2 to 50 nm are called mesoporous polymers.

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