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Abstract

New Physical Chemical Properties of Pure Water.

Water is repetitively brought in contact with hydrophilic insoluble polymers . Repetitively immersing it in water changes the liquid's properties. The phenomenon is well known. Experimental data depend on the nature of the hydrophilic insoluble polymer! There are many similitude's and some peculiarities. The physical chemical parameters of the liquids are very different each other. The UV absorbance spectra, the heat of mixing with a base and density phenomena of these perturbed waters are very different from the ones of pure water. On lyophilizing these liquids remain a solid. Thermogravimetric analyses show that the thermal stability of the hydrophilic perturbing polymers strongly differs from that of the solid obtained via lyophilization . The properties of the perturbed waters cannot due to chemicals released by the polymers that are inert.