

Fig.7.1 Porosity dependence of Young's Modulus values for Li_4SiO_4 , Li_2O and Li_2ZrO_3 .^{50) 6) 17)}

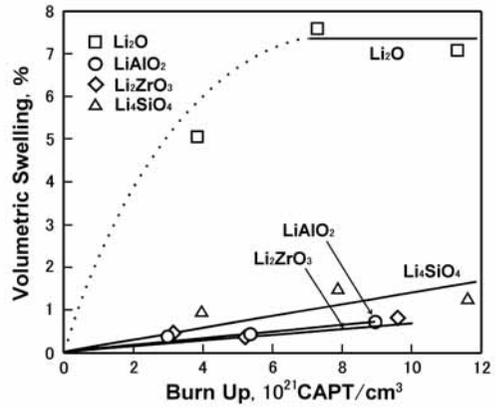


Fig.7.2 Volumetric swelling of Li_4SiO_4 , Li_2O and at Li_2ZrO_3 at 700 °C.⁴⁹⁾

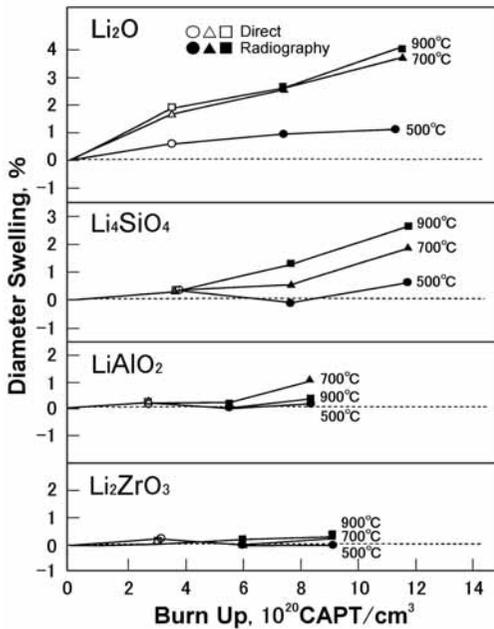


Fig.7.3 Diameter Swelling of Li_4SiO_4 , Li_2O and Li_2ZrO_3 at 500, 700, 900 °C.⁷⁰⁾

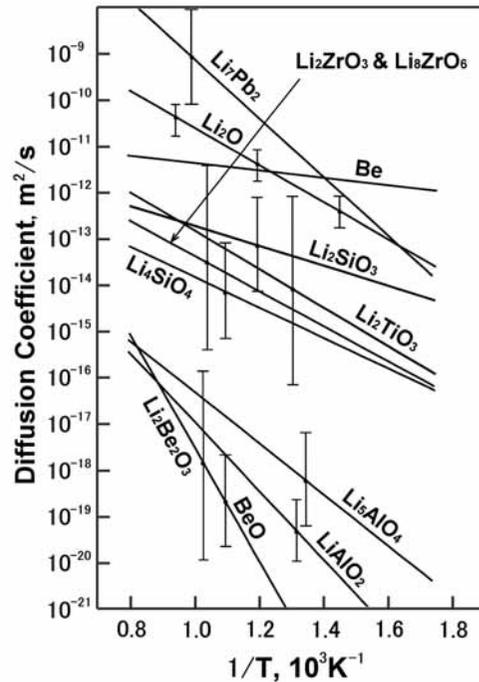


Fig.7.4 Summary of tritium diffusion coefficient in Li_4SiO_4 , Li_2O , Li_2TiO_3 and Li_2ZrO_3 .¹⁸⁾

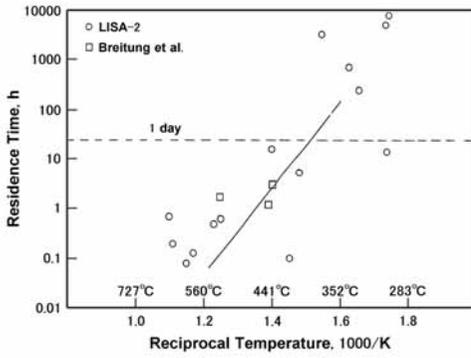


Fig.7.5 Tritium residence times for Li_4SiO_4 .^{12) 29)}

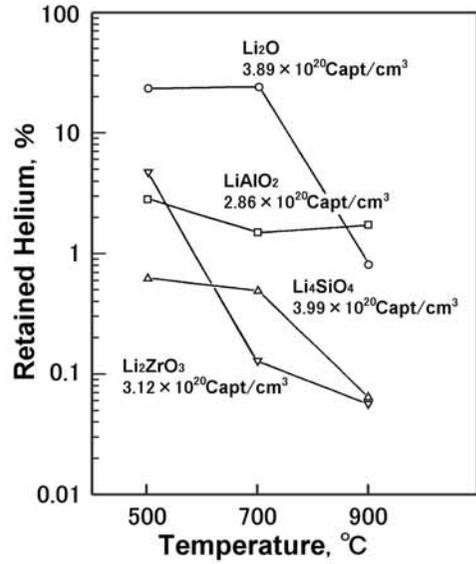


Fig.7.6 Helium retention in Li_4SiO_4 , Li_2O and Li_2ZrO_3 after irradiation.⁴⁸⁾

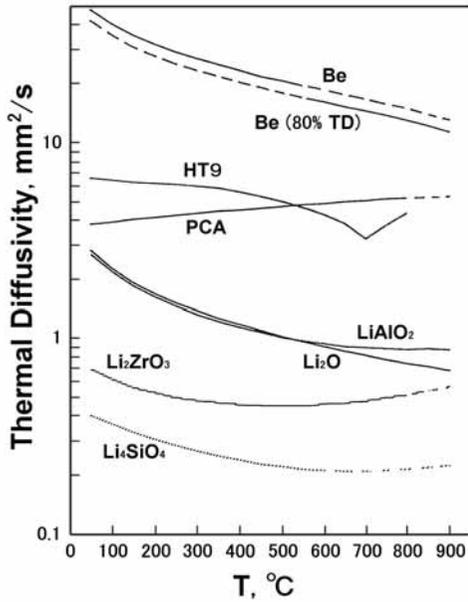


Fig.7.7 Thermal diffusivity of Li_4SiO_4 , Li_2O , Li_2TiO_3 and Li_2ZrO_3 (80% TD).¹²⁾