# Dielectric permittivity of kaolinite heated to high temperatures.

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Streszczenie

Heating of kaolinite from the room temperature to 600 °C results in a gradual decrease in the dielectric permittivity. However, when the temperature rises to 1000 °C the high frequency permittivity of kaolinite increases surprisingly. We suppose that the decomposition of the material produces imperfections, which liberate a small distance movement of polar groups. Positron annihilation experiments performed in this material confirm the appearance of empty volumes after kaolinite calcination.

Słowa kluczowe

C. Positron annihilation spectroscopy, D. Dielectric properties

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