

나노복합재료의 보이드 부분방전 특성

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Partial Discharge Characteristics of void in Nano-composites Materials

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Abstract : In order to investigate of partial discharge of nano-composites materials, we have studied partial discharge applying voltage from 5 to 30 [kV] to make an artificial defect with the epoxy adding to 0, 0.4, 0.8, and 1.6 [wt%], respectively. The experimental result, we have found that SiO₂ of 0.4 [wt%] was superior to others also, it is found that the effect of isolate diagnosis to get the slope for the discharged electric charge distribution

Key Words : SiO₂, Partial Discharge, Nano-Composites-Materials, Artificial Defect, Epoxy