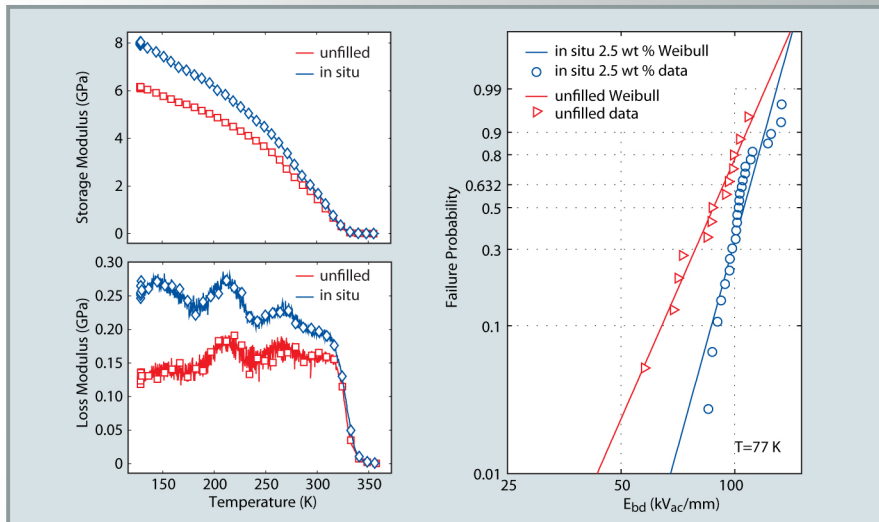


Epoxy Based Nanodielectric with Homogeneously Distributed Nanoparticles

UT-B ID 200902290



Technology Summary

The dielectric breakdown strength of materials is important when designing high voltage power equipment. This invention is related to decreasing insulation thickness in high voltage systems without changing system voltage requirements. The invention presents fabrication of novel materials for electrical insulation with improved dielectric properties. The present invention is particularly useful in high voltage technology for conventional and cryogenic high temperature superconductive power applications.

Advantages

- Decreased insulation thickness without changing voltage requirements

Applications

- High voltage technology
- Cryogenic power applications

Patent

Application in preparation

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