

Photos of Front and Rear Covers

Front cover:

Appearance of demonstration test for 1000 kV (UHV) substation equipment (transformer, GIS, GCB, arrester, PD, CT, bushing etc.) successfully operating at the test area in Shin-haruna 500 kV substation of Tokyo Electric Power Co.

(Tokyo Electric Power Co., Hitachi Ltd., Toshiba Corporation, Mitsubishi Electric Corporation, NGK Insulators Ltd.)

Rear cover:

Development of tree from the needle electrode tip in polypropylene observed with polarizing microscope
Upper : The tree shape in polypropylene spherulite.

The tree propagates in the direction of the lamellar orientation in the form of a tubing with a diameter of $2 \mu\text{m}$.

Lower: The tree shape in polypropylene amorphous region.

The tree begins immediately to brunch and propagates in the direction of the electric field.

(Prof. Takayuki Yamakita, Kansai University)

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