

Title (en)
METHOD OF PRODUCING AN INSULATOR FOR HIGH VOLTAGE USE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES ISOLATORS FÜR HOCHSPANNUNGSANWENDUNGEN

Title (fr)
PROCEDE DE FABRICATION D'UN ISOLATEUR POUR UNE UTILISATION EN HAUTE TENSION

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Application
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Abstract (en)
[origin: WO2006008422A1] The invention relates to a method of producing an insulator which is intended for high voltage use from a polymer matrix composition containing a mineral reinforcement. The invention is characterised in that the method comprises the following steps consisting in: mechanically mixing a determined quantity of a hardening agent and a first type of mineral reinforcement comprising a determined volume of particles of one or more submicronic dielectric materials; degassing the first mixture thus obtained; adding a determined quantity of polymer matrix and a second type of mineral reinforcement comprising a determined volume of particles of one or more micronic dielectric materials to the first mixture; mechanically mixing the second mixture thus obtained, said mixing being performed by means of attrition grinding; degassing the final mixture obtained; and forming the insulator by moulding the final mixture such that, once obtained, the insulator has a minimum thickness of at least 10 mm.

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