

DEFENSIVE PUBLICATION

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PAPER MATERIALS IMPREGNATED WITH POLYSILOXANES

Robert J. Vetter, 7 Maple Ave., Richmond, Va. 23226

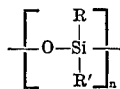
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No Drawing. 15 Pages Specification

A flexible, coherent sheet material made of fibrils of a non-fusing aromatic polyamide and, optionally, fibers of a non-fusing aromatic polyamide and/or particulate mica, which sheet material is impregnated with a liquid polysiloxane. The sheet materials, which are paper-like, are useful for electrical insulation purposes, especially where high temperatures are encountered. The material contains 10 to 100 parts by weight of the fibrils, 0 to 50 parts by weight of the fibers, 0 to 90 parts of the mica and 1 to 70% of the polysiloxane. The polysiloxane has the formula



where R is hydrocarbon, R' is hydrogen or hydrocarbon, n is at least 10, and the molecule is endcapped with hydroxyl, ester or trimethylsiloxy groups.