

Title (en)

METHOD FOR PRODUCING A MULTILAYER DIELECTRIC POLYURETHANE FILM SYSTEM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES MEHRSCICHTIGEN DIELEKTRISCHEN POLYURETHANFILMSYSTEMS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN SYSTÈME DE FILMS DE POLYURÉTHANE DIÉLECTRIQUES MULTICOUCHES

Publication

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Application

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Abstract (en)

[origin: WO2014006005A1] The present invention relates to a method for producing a multilayer dielectric polyurethane film system comprising the following method steps: I) producing a mixture comprising a) a compound containing isocyanate groups with an isocyanate group content of > 10% by weight and <= 50% by weight, b) a compound containing isocyanate reactive groups with an OH number of >= 20 and <= 150, wherein the sum of the number average functionality of isocyanate groups and of isocyanate reactive groups in compounds a) and b) is >= 2.6 and <= 6, II) applying the mixture immediately after it has been produced to a substrate in the form of a wet film, III) curing said wet film while forming the polyurethane film and IV) applying an electrode layer on the almost completely dried film, V) repeating steps I)-IV) to generate a multilayer system. The invention further relates to a multilayer dielectric polyurethane film system and an electromechanical transducer.

IPC 8 full level

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