

Title (en)

CONDUCTIVE FLUOROPOLYMER COATED ELASTOMERIC ROLLERS AND STRUCTURES

Title (de)

LEITFÄHIGE, FLUORPOLYMERBESCHICHTETE ELASTOMERE WALZEN UND ENTSPRECHENDE VORRICHTUNGEN

Title (fr)

ROULEAUX ET STRUCTURES ELASTOMERE REVETU DE FLUOROPOLYMERES CONDUCTEUR

Publication

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Application

EP 96927334 A 19960806

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Abstract (en)

[origin: WO9710102A1] The present invention is an improved release coating for use on a variety of elastomeric structures, such as printer rollers and belts. The coating of the present invention is a thin expanded polytetrafluoroethylene (PTFE) skin (18) that has a porous surface (20) attached to a substratum (16) and an impermeable surface (22) exposed to the contact surface, in which the PTFE is filled with a particulate filter. This use of dual surfaces on a single thin coating provides both an excellent bond to substratum materials, such as silicone elastomer layer, as well as being highly wear resistant to chemical attack.

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