

Abstract Submitted
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Elastomer-glass detachment front observation JOSÉ BICO, PMMH - ESPCI, SUOMI PONCE, PMMH - ESPCI / UPMC, BENOIT ROMAN, CNRS / PMMH - ESPCI — When you peel an elastomeric band from a glass plate, the force needed changes with respect to the peeling angle and it is proportional to the width of the band [1]. As you approach to a zero angle, the process changes abruptly. Here we present the experimental study of a lap-test made on PVS elastomer and glass. We propose a simple imaging technique to observe the detachment front propagation.

[1] K. Kendall, “Thin-film peeling - the elastic term” *Journal of Physics D : Applied Physics*, vol. 8, p. 1449, Sep 1975.

Suomi Ponce
PMMH - ESPCI / UPMC

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