



**DIPARTIMENTO DI CHIMICA INDUSTRIALE "TOSO MONTANARI"**  
**ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA**

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## Immersion test



Some Conventional Polyurethane Foam and DryFlex<sup>®</sup> Polyurethane samples provided by Pelma (10 x 10 x 5 cm) have been deposited in trays of colored water and their behavior has been observed for 3 days.

After this time, we have quantified the amount of absorbed water with respect to the weight of the dry sample.

The amount of water absorbed by the various samples (weight of absorbed water / weight of dry sample) is:

Conventional Polyurethane 1: 58.5 times

Conventional Polyurethane 2: 37.7 times

DryFlex<sup>®</sup> 1: 0.29 times

DryFlex<sup>®</sup> 2: 0.34 times

DryFlex<sup>®</sup> 3: 0.12 times

DryFlex<sup>®</sup> Polyurethanes show a great reduction in the absorption of water if compared with conventional polyurethane foams.

Bologna, april 9, 2015

Dott. Massimiliano Lanzi

