

**EN 12447:2001 – Geotextiles and geotextile-related products –  
Screening test method for determining the resistance to hydrolysis in  
water**

*IMPORTANT: This information sheet is not a standard. The full text of the standard can be obtained from your national standardization body.*

*Supersedes ENV 12447:1996*

Scope:

Screening test method for determining the resistance to hydrolysis by exposing test specimens to water at elevated temperatures, followed by an evaluation of the changes in properties resulting from such exposure.

In particular applicable to polyester and polyamide based materials, and in addition to the yarns from which these geotextiles are made. Reinforcing materials shall be tested without the coating and manufacturers shall ensure that the degradation of the coating will not attack or have any negative influence on the degradation of the yarns.

This method is not intended for determining the resistance of geotextiles to hydrolysis under highly acid or alkaline conditions.

Principle of test:

Both test and control specimens are immersed in hot water for 28 days at 95 °C. The properties of the specimens are determined after immersion.

Number of specimens:

Five test specimens and five control specimens

Expression of results

Percentage retained strength or elongation, compared to the reference specimens

Comment:

Further guidance on durability assessment can be found in ISO/TS 13434:2008 Geosynthetics – Guidelines for the assessment of durability, and in the annexes B and E of the product standards.