# DIN EN ISO 10773:2011-08 (E)

## Clay geosynthetic barriers - Determination of permeability to gases (ISO 10773:2011)

## Contents

Page


**Foreword** ..... 3

**1 Scope** ..... 4

**2 Normative references** ..... 4

**3 Principle** ..... 4

**4 Apparatus** ..... 4
**4.1 General** ..... 4
**4.2 Loading device** ..... 4
**4.3 Test cell** ..... 5
**4.4 Device for applying inlet gas pressure** ..... 6
**4.5 Device for measuring gas flow** ..... 6

**5 Samples** ..... 6

**6 Testing procedure** ..... 6
**6.1 Preparation and characterisation of samples** ..... 6
**6.2 Specimen set-up** ..... 7
**6.3 Flow measurement** ..... 7
**6.4 Analysis of the specimen** ..... 7

**7 Calculation of the index flow** $GFI_{110/15}$ ..... 8

**8 Test report** ..... 8

**Annex A** (informative) **Test cell for clay geosynthetic barrier specimens with plane and parallel surfaces** ..... 10

**Bibliography** ..... 12