ISO 5774 :2006-7 (E)

Plastics hoses_- Textile-reinforced types for compressed-air applications_- Specification

Contents Page

Foreword ... iv

Introduction ... v

1 **Scope** ... 1

2 **Normative references** ... 1

3 **Terms and definitions** ... 2

4 **Classification** ... 2

5 **Couplings and end fittings** ... 2

6 **Materials and construction** ... 2

7 **Dimensions and tolerances** ... 2
7.1 **Inside diameter, tolerances and minimum wall thickness** ... 2
7.2 **Concentricity** ... 3
7.3 **Tolerances on length** ... 3

8 **Physical properties** ... 4
8.1 **Plastic compounds** ... 4
8.1.1 **Tensile strength and elongation at break of lining and cover** ... 4
8.1.2 **Resistance to ageing** ... 4
8.1.3 **Loss in mass on heating** ... 4
8.1.4 **Resistance to liquids** ... 4
8.1.5 **Hydrolysis test** ... 4
8.2 **Performance requirements on finished hoses** ... 5
8.2.1 **Hydrostatic requirements** ... 5
8.2.2 **Adhesion** ... 5
8.2.3 **Exposure to a xenon arc lamp** ... 5
8.2.4 **Bending test** ... 6
8.2.5 **Low-temperature flexibility** ... 6

9 **Frequency of testing** ... 6

10 **Marking** ... 7

11 **Recommendations for packaging and storage** ... 7

12 **Test report** ... 7

Annex A (normative) **Hydrolysis test** ... 8

Annex B (normative) **Type approval and routine tests** ... 10

Annex C (informative) **Production acceptance tests** ... 11

Annex D (informative) **Couplings and end fittings** ... 12

Bibliography ... 13