ISO 4641:2024-04 (E)

Rubber hoses and hose assemblies for water suction and discharge - Specification

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Classification **2**

5 Coupling and fittings **2**

6 Materials and construction **2**
6.1 Lining 2
6.2 Reinforcement 2
6.3 Cover 2

7 Dimensions and tolerances **2**
7.1 Inside diameter 2
7.2 Enlarged ends 2
7.3 Unit lengths 3
7.4 Lining 3
7.5 Cover 3

8 Physical properties **3**
8.1 Rubber compounds 3
8.2 Performance requirements for hoses and hose assemblies 3
8.2.1 Hydrostatic-pressure requirements (proof pressure test) 3
8.2.2 Burst test 4
8.2.3 Resistance to bending (minimum bend radius as a function of nominal size) 4
8.2.4 Resistance to suction flattening 4
8.2.5 Low-temperature flexibility 5
8.2.6 Adhesion 5
8.2.7 Ozone resistance of the cover 5

9 Frequency of testing **5**

10 Marking **6**
10.1 Hoses 6
10.2 Hose assemblies 6

11 Test report/certificate **6**

12 Packaging and storage **6**

Annex A (normative) **Type tests and routine tests** **7**

Annex B (informative) **Production acceptance tests** **8**

Annex C (informative) **Couplings and end fittings** **9**

Bibliography **10**