ISO 5771:2024-04 (E)

Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Pressure rating 2

5 Materials and construction 2
5.1 Lining 2
5.2 Reinforcement 2
5.3 Cover 2
5.4 Hose assemblies 2

6 Dimensions 3
6.1 Inside diameters and tolerances 3
6.2 Outside diameter 3
6.3 Concentricity 3
6.4 Tolerances on length 3

7 Physical properties 3
7.1 Rubber compounds 3
7.2 Finished hose 4
7.3 Ammonia resistance tests 4
7.3.1 Test lengths 5
7.3.2 Ammonia conditioning 5
7.3.3 Flexing of conditioned hose 7
7.3.4 Burst-pressure test on conditioned and flexed hoses 8
7.3.5 Physical-property tests on conditioned and flexed hoses 8

8 Hose assembly delivery test and annual in-use test requirements 8

9 Frequency of testing 8

10 Marking 9

11 Packaging and storage 9

12 Test certificate 9

Annex A (normative) Type frequency for type tests and routine tests 10

Annex B (informative) Recommendations for the lengths of hoses supplied in bulk and for tolerances on the lengths of hose assemblies 12

Bibliography 13