ISO 1402:2021 (E)

Rubber and plastics hoses and hose assemblies — Hydrostatic testing

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 General

5 Apparatus

6 Test pieces

6.1 Hose assemblies
6.2 Hoses
6.3 Number of test pieces

7 Application of hydrostatic pressure

7.1 General
7.2 Procedure

8 Hydrostatic pressure tests

8.1 Proof pressure hold test
8.2 Measurement of deformation under pressure
8.2.1 General procedure
8.2.1.1 Setting up the test piece
8.2.1.2 Reference marks
8.2.1.3 Measurement of initial dimensions
8.2.2 Change in length at the specified test pressure
8.2.3 Change in external diameter at the specified test pressure, measured at the approximate middle of the hose assembly
8.2.3.1 General
8.2.3.2 Determination by measuring the change in external circumference
8.2.3.3 Direct measurement of change in external diameter
8.2.4 Twisting at the specified test pressure
8.2.5 Warping at the specified test pressure
8.3 Burst pressure test
8.4 Leakage test
8.4.1 Test pieces
8.4.2 Procedure
8.4.3 Criteria for failure

9 Test report

Page count: 9