

ISO 14557:2021 (E)

Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Classification
4.1	Type (hose construction)
4.2	Hose ends
5	Dimensions, tolerances and maximum mass
5.1	Inside diameter and maximum mass
5.2	Length and tolerance on length
6	Performance requirements of finished hose or hose assembly
6.1	Visual examination
6.2	Hydrostatic requirements
6.2.1	Deformation under proof pressure
6.2.2	Burst pressure
6.3	Adhesion (type A hoses only)
6.4	Low temperature flexibility
6.5	Ozone resistance (type A hoses only)
6.6	Bending resistance at ambient temperature
6.7	UV resistance (type B hoses only)
6.8	Loss in mass on heating (type B hoses only)
6.9	Vacuum resistance
6.10	Pressure impulse resistance (type B hoses only)
6.11	Reinforcement fracture resistance (type B hoses only)
6.12	Flexibility at ambient temperature
6.13	Vacuum resistance with flexing
7	Frequency of testing
8	Marking
8.1	Hose marking
8.2	Hose assembly marking
Annex A	(normative) Test frequency for type tests and routine tests
Annex B	(informative) Production acceptance tests
Annex C	(normative) Pressure impulse test
C.1	Test pieces
C.2	Apparatus
C.3	Test fluid
C.4	Conditioning
C.5	Procedure
C.6	Test report
Annex D	(normative) Reinforcement fracture resistance test (type B hoses only)
D.1	Test pieces
D.2	Apparatus

- D.3 Conditioning
- D.4 Procedure
- D.5 Test report

Annex E (normative) Test for flexibility at ambient temperature

- E.1 Test piece
- E.2 Apparatus
- E.3 Procedure
- E.4 Test report

Annex F (normative) Test for vacuum resistance with flexing

- F.1 Test piece
- F.2 Apparatus
- F.3 Procedure
- F.4 Test report

Annex G (normative) Proof pressure test for hose assemblies

- G.1 Test piece
- G.2 Procedure

Page count: 18