

ISO 4642-2:2009-02 (E)

Rubber and plastics hoses, non-collapsible, for fire-fighting service - Part 2: Semi-rigid hoses (and hose assemblies) for pumps and vehicles

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification	2
4.1	General	2
4.2	Classification by types (hose construction)	2
4.3	Classification by class (materials for lining and cover)	3
4.4	Classification by category	3
5	Dimensions, tolerances and maximum mass	3
5.1	Inside diameter and maximum mass	3
5.2	Length and tolerances on length	4
5.3	Concentricity	4
6	Performance requirements of finished hose	4
6.1	Hydrostatic requirements	4
6.2	Adhesion	5
6.3	Accelerated ageing	5
6.4	Abrasion resistance	5
6.5	Low temperature flexibility	6
6.6	Hot surface resistance	6
6.7	Ozone resistance	6
6.8	Bending and crush resistance	6
6.9	UV resistance (xenon arc lamp)	6
6.10	Loss in mass on heating	6
6.11	Deformation under crushing (type C only)	6
6.12	Hose assemblies	7
7	Frequency of testing	7
8	Type tests	7
9	Test report	7
10	Recommendation for packaging and storage	7
11	Marking	8
Annex A (normative)	Kink pressure test	9
Annex B (normative)	Accelerated ageing test	10
Annex C (normative)	Surface abrasion resistance test	11
Annex D (normative)	Point abrasion resistance test	13

Annex E (normative) Hot surface resistance test	16
Annex F (normative) Bending and crush resistance test	21
Annex G (normative) Deformation under crushing test	23
Annex H (normative) Test for hose assemblies	25
Annex I (normative) Type test and routine test	26
Annex J (informative) Production tests	27
Bibliography	28