

DIN EN 14540:2007-07 (E)

Fire-fighting hoses - Non-percolating layflat hoses for fixed systems (includes Amendment A1:2007)

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Materials and construction of hose	7
5	Dimensions, tolerances and maximum mass	7
5.1	Inside diameter and maximum mass	7
5.2	Length and tolerances on length	7
6	Performance requirements of finished hose	8
6.1	Hydrostatic requirements	8
6.2	Adhesion	9
6.3	Accelerated ageing	9
6.4	Low temperature flexibility	9
6.5	Hot surface resistance	10
6.6	Resistance to kinking	10
7	!!!!Frequency of testing	10
8	Marking	10
Annex A (normative) Kink pressure test		11
A.1	Principle	11
A.2	Test piece	11
A.3	Apparatus	11
A.4	Procedure	11
A.5	Test report	11
Annex B (normative) Accelerated ageing test		12
B.1	Test piece	12
B.2	Procedure	12
B.3	Test report	12
Annex C (normative) Low temperature flexibility test		13
C.1	Test piece	13
C.2	Apparatus	13
C.3	Procedure	17
C.4	Test report	17
Annex D (normative) Hot surface resistance test		18

D.1	Test piece	18
D.2	Apparatus	18
D.3	Procedure	21
D.4	Test report	21
Annex E (normative) Test for resistance to kinking		22
E.1	Test piece	22
E.2	Apparatus	22
E.3	Procedure	23
E.4	Test report	23
Annex F (normative) !Frequencies of testing (type test and production test)		24
Annex G (informative) !Frequencies of testing (batch test)		25
Bibliography		26