DIN EN ISO 7840:2019-06 (E)

Small craft - Fire-resistant fuel hoses (ISO 7840:2013)

Contents

Page

European foreword ... 3

Annex ZA (informative) **Relationship between this European Standard and the Essential Requirements of Directive 2013/53/EU aimed to be covered** ... 4

Foreword ... 5

1 Scope ... 6

2 Normative references ... 6

3 General requirements ... 6

4 Nominal bore ... 6

5 Physical tests on finished hose ... 7

5.1 General ... 7
5.2 Test liquids ... 7
5.3 Bursting pressure ... 7
5.4 Vacuum-collapse test ... 8
5.5 Volume change in test liquids ... 8
5.6 Mass reduction of test hose ... 8
5.7 Fire resistance ... 8
5.8 Effect of ozone ... 8
5.9 Fuel permeation ... 8
5.10 Cold-flex test ... 9
5.11 Abrasion test — 38 mm and larger fuel-fill hose with helical wire embedded reinforcement ... 9
5.12 Dry heat resistance ... 9
5.13 Oil resistance test ... 9
5.14 Adhesion test ... 9

6 Marking ... 9

Annex A (normative) **Fire test** ... 11

Annex B (normative) **Fuel permeation test (or equivalent test method)** ... 13

Bibliography ... 15