ISO 6808:2014-07 (E)

Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids - Specification

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Classification -- Hose types 2

5 Construction and materials -- Requirements 2

6 Dimensions and tolerances 2
6.1 Diameter 2
6.2 Length 3

7 Physical properties of finished hoses 3
7.1 Hydrostatic requirements at standard laboratory temperature 3
7.2 Hydrostatic requirements at 45 °C 3
7.3 Change in length (Type 2 only) 4
7.4 Suction resistance 4
7.5 Reinforcement fracture 4
7.6 Minimum bend test 5
7.7 Cold bend test 5
7.8 Electrical continuity 5

8 Physical properties of the flexible thermoplastics material 5
8.1 Loss in mass on heating 5
8.2 Tensile strength and elongation at break 5
8.3 Fuel resistance 6
8.4 Oil resistance 6
8.5 Resistance to accelerated ageing 6

9 Hose assemblies 7
9.1 Couplings and method of attachment 7
9.2 Test for security of coupling 7
9.3 Electrical bonding 7
9.4 Electrical wall resistance 7

10 Frequency of testing 7

11 Type tests 8

12 Marking 8
12.1 Hoses 8
12.2 Hose assemblies 8

Annex A (normative) Test frequency 9

Annex B (informative) Production tests **10**

Annex C (normative) Reinforcement fracture test **11**

Annex D (normative) Coupling security test **13**

Bibliography **14**