DIN EN ISO 8331:2017-03 (E)

Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2016)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 General recommendations ... **5**

4.1 Selection criteria ... 5

4.2 Storage conditions ... 6

4.2.1 General ... 6

4.2.2 Storage period ... 6

4.2.3 Temperature ... 7

4.2.4 Humidity ... 7

4.2.5 Light ... 7

4.2.6 Ozone ... 7

4.2.7 Environment ... 7

4.2.8 Sources of heat ... 7

4.2.9 Electric and magnetic fields ... 7

4.2.10 Method of storing ... 7

4.2.11 Rodents ... 7

4.2.12 Issue from storage ... 8

4.2.13 Return to storage ... 8

4.3 Use and maintenance ... 8

4.3.1 Handling ... 8

4.3.2 Pressure ... 8

4.3.3 Temperature ... 8

4.3.4 Products conveyed ... 8

4.3.5 Environment ... 8

4.3.6 Bending radii ... 8

4.3.7 Torsional stress ... 8

4.3.8 Tensile stress ... 9

4.3.9 Vibration ... 9

4.3.10 Assembly of end fittings ... 9

4.3.11 Leakage ... 9

4.3.12 Electrical properties ... 9

4.3.13 Fixed installations ... 9

4.3.14 Moving parts ... 9

4.3.15 Marking/identification ... 9

4.3.16 Maintenance ... 10

4.3.17 Repairing of hoses ... 10

5 Additional recommendations for specific applications **10**
5.1 General 10
5.2 Welding and gas-cutting hoses 10
5.3 Steam hoses 10
5.4 Hoses for the conveyance of foodstuffs and drinking water 10
5.5 Hoses for the conveyance of abrasive products 10
5.6 Hoses for the conveyance of corrosive or aggressive products 11
5.7 Hoses for the conveyance of flammable products 11
5.8 Automotive hoses 12
5.9 Fire-fighting hoses 12
5.9.1 General 12
5.9.2 Special points to be observed 13
5.10 Oil-industry hoses and hose assemblies 14
5.10.1 General 14
5.10.2 Special points to be observed 14
Bibliography **17**