

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