

ISO 4641:2024-04 (E)

Rubber hoses and hose assemblies for water suction and discharge - Specification

Contents	Page
Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	2
5 Coupling and fittings	2
6 Materials and construction	2
6.1 Lining.....	2
6.2 Reinforcement.....	2
6.3 Cover.....	2
7 Dimensions and tolerances	2
7.1 Inside diameter.....	2
7.2 Enlarged ends.....	2
7.3 Unit lengths.....	3
7.4 Lining.....	3
7.5 Cover.....	3
8 Physical properties	3
8.1 Rubber compounds.....	3
8.2 Performance requirements for hoses and hose assemblies.....	3
8.2.1 Hydrostatic-pressure requirements (proof pressure test).....	3
8.2.2 Burst test.....	4
8.2.3 Resistance to bending (minimum bend radius as a function of nominal size).....	4
8.2.4 Resistance to suction flattening.....	4
8.2.5 Low-temperature flexibility.....	5
8.2.6 Adhesion.....	5
8.2.7 Ozone resistance of the cover.....	5
9 Frequency of testing	5
10 Marking	6
10.1 Hoses.....	6
10.2 Hose assemblies.....	6
11 Test report/certificate	6
12 Packaging and storage	6
Annex A (normative) Type tests and routine tests	7
Annex B (informative) Production acceptance tests	8
Annex C (informative) Couplings and end fittings	9
Bibliography	10