

ISO 3949:2020 (E)

Plastics hoses and hose assemblies — Textile-reinforced types for hydraulic applications — Specification

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Classification
5	Materials and construction
5.1	Hoses
5.2	Hose assemblies
6	Dimensions and tolerances
6.1	Diameters
6.2	Concentricity
7	Physical properties
7.1	Hydrostatic requirements
7.2	Change in length
7.3	Minimum bend radius
7.4	Resistance to impulse
7.5	Leakage of hose assemblies
7.6	Cold flexibility
7.7	Ozone resistance
7.8	Electrical conductivity
7.9	Fluid resistance
7.9.1	Test pieces
7.9.2	Oil resistance
7.9.3	Water-based fluid resistance
7.9.4	Water resistance
7.10	Visual examination
8	Frequency of testing
9	Designation
10	Marking
10.1	Hoses
10.2	Hose assemblies
11	Recommendations for packing and storage
12	Recommendations for length of supplied hoses and tolerances on lengths of hose assemblies
13	Test certificate
Annex A	(normative) Type and routine testing of hoses
Annex B	(informative) Production testing
Annex C	(informative) Recommendations for lengths of supplied hoses and tolerances on lengths of hose assemblies
C.1	Hoses
C.2	Hose assemblies
Annex D	(normative) Test method for electrical conductivity