

ISO 1825:2017-11 (E)

Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification	2
5	Service reeling diameter	2
6	Material and construction	3
6.1	Hoses	3
6.2	Hose assemblies	3
7	Dimensions and tolerances	3
7.1	Internal diameters	3
7.2	Thickness	4
7.3	Concentricity	4
7.4	Tolerances on length	4
7.5	Mass per unit length of hose	4
8	Physical properties	5
8.1	Rubber compounds	5
8.2	Finished hoses and hose assemblies	5
9	Electrical properties	7
9.1	Type B and type E (electrically bonded)	7
9.2	Type C and type F (electrically conductive incorporating a semi-conductive cover compound)	7
10	Frequency of testing	7
11	Marking	8
11.1	Hoses	8
11.2	Hose assemblies	8
12	Test certificate or test report	8
13	Cleanliness	9
14	Protection for dispatch and storage	9
Annex A (normative) Method for determination of fuel-soluble matter		10
Annex B (normative) Method of test for cold embrittlement		11
Annex C (normative) Method for determination of adhesion between components		12
Annex D (normative) Method for determination of resistance to fuel contamination		13

Annex E (normative) Method of test for flexibility at 20 °C	14
Annex F (normative) Method of test for flexibility at -30 °C	15
Annex G (normative) Method of test for crush recovery	16
Annex H (normative) Method for determination of cyclic kinking resistance	17
Annex I (normative) Flammability test	18
Annex J (normative) Hydrostatic test	20
Annex K (normative) Method of test for vacuum resistance	21
Annex L (normative) Method of test for security of attachment of couplings	22
Annex M (normative) Type test and routine test	23
Annex N (informative) Recommended tests for production acceptance test	24
Annex O (informative) Recommendations practice for hose flushing and handling	25
Bibliography	27