

DIN EN ISO 1825:2018-03 (E)

Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification (ISO 1825:2017)

Contents	Page
European foreword	4
Foreword	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Classification	7
5 Service reeling diameter	7
6 Material and construction	8
6.1 Hoses	8
6.2 Hose assemblies	8
7 Dimensions and tolerances	8
7.1 Internal diameters	8
7.2 Thickness	9
7.3 Concentricity	9
7.4 Tolerances on length	9
7.5 Mass per unit length of hose	9
8 Physical properties	10
8.1 Rubber compounds	10
8.2 Finished hoses and hose assemblies	10
9 Electrical properties	12
9.1 Type B and type E (electrically bonded)	12
9.2 Type C and type F (electrically conductive incorporating a semi-conductive cover compound)	12
10 Frequency of testing	12
11 Marking	13
11.1 Hoses	13
11.2 Hose assemblies	13
12 Test certificate or test report	13
13 Cleanliness	14
14 Protection for dispatch and storage	14
Annex A (normative) Method for determination of fuel-soluble matter	15
Annex B (normative) Method of test for cold brittleness	16
Annex C (normative) Method for determination of adhesion between components	17
Annex D (normative) Method for determination of resistance to fuel contamination	18
Annex E (normative) Method of test for flexibility at 20 °C	19
Annex F (normative) Method of test for flexibility at -30 °C	20
Annex G (normative) Method of test for crush recovery	21
Annex H (normative) Method for determination of cyclic kinking resistance	22

Annex I (normative) Flammability test.....	23
Annex J (normative) Hydrostatic test.....	24
Annex K (normative) Method of test for vacuum resistance.....	25
Annex L (normative) Method of test for security of attachment of couplings.....	27
Annex M (normative) Type test and routine test.....	28
Annex N (informative) Recommended tests for production acceptance test.....	29
Annex O (informative) Recommendations practice for hose flushing and handling.....	30
Bibliography.....	32