ISO 17712:2010-09 (E)

Freight containers - Mechanical seals

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1
3.1 General terms 1
3.2 Terms describing different types of mechanical seals 2

4 Seal requirements 4
4.1 General and environmental 4
4.2 Marking 4
4.3 Identification marks 5
4.4 Evidence of tampering 5

5 Testing for seal classification 6
5.1 General 6
5.2 Tensile test 7
5.3 Shear test 12
5.4 Bending test 15
5.5 Impact test 17
5.6 Seal classification test report 19

6 Testing for evidence of tampering 19
6.1 General 19
6.2 Test apparatus 20
6.3 Test tools 21
6.4 Test methods 21
6.5 Evidence of tampering 22
6.6 Test results 23

Annex A (normative) Seal manufacturers' security-related practices 24

Annex B (normative) Transition times for requirements of 4.4.3 and Clause 6 29

Bibliography 31