

ISO 8009:2014-11 (E)

Mechanical contraceptives - Reusable natural and silicone rubber contraceptive diaphragms - Requirements and tests

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Sampling	2
5	Classification	2
6	Materials	2
7	Design	2
7.1	General	2
7.2	Rim	2
7.3	Reinforcing spring	2
7.4	Spring ends	2
7.5	Dome and rim	3
8	Dimensions	3
8.1	Diameter	3
8.2	Dome thickness	3
9	Tensile properties of the dome	3
9.1	Tensile strength	3
9.2	Elongation at break	3
10	Mechanical properties of rim and spring -- Type 1 and Type 2 diaphragms	4
10.1	Compression resistance	4
10.2	Twisting during compression	4
11	Freedom from visible defects	4
12	Test report	4
13	Packaging, labelling, and storage	5
13.1	Packaging	5
13.2	Labelling	5
13.3	Storage	5
Annex A (normative)	Determination of size	7
Annex B (normative)	Determination of dome thickness	8
Annex C (normative)	Determination of tensile properties	9
Annex D (normative)	Determination of deterioration after accelerated ageing by oven treatment	11

Annex E (normative) Determination of compression and fatigue resistances of coil-spring and flat-spring diaphragms	13
Annex F (normative) Determination of twisting during compression of coil-spring and flat spring diaphragms	16
Annex G (normative) Determination of visible defects	19
Annex H (normative) Test report	23
Annex I (normative) Instructions for care and use of reusable rubber contraceptive diaphragms	
 Bibliography	26