

ISO 18885-3:2019-09 (E)

TPMS snap-in valves - Part 3: Performances

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Conditions for testing TPMS snap-in valves	2
4.1	General	2
4.2	Test fixtures	2
4.3	Installation	2
4.4	Ageing	3
5	Test methods	3
5.1	General	3
5.2	Adhesion	3
5.2.1	Test method	3
5.2.2	Performance	3
5.3	Valves core seal	3
5.3.1	General	3
5.3.2	Room temperature test	3
5.3.3	Low temperature test	4
5.3.4	High temperature test	4
5.4	Valve cap seal (optional, for sealing caps only)	4
5.4.1	Test method	4
5.4.2	Performance	4
5.5	Valve to rim seal	5
5.5.1	General	5
5.5.2	Low temperature	5
5.5.3	High temperature	6
5.6	Installation test	6
5.6.1	General	6
5.6.2	Force to seat	6
5.6.3	Force to pull-out	7
5.6.4	Force to pull back (unseating)	7
5.7	Burst	7
5.7.1	Test method	7
5.7.2	Performance	8
5.8	Ozone resistance	8
5.8.1	Test method	8
5.8.2	Performance	8
5.9	Flexing resistance	8
5.9.1	Test method	8
5.9.2	Performance	8
5.10	Corrosion test	9
5.10.1	Test method	9
5.10.2	Performance	9
5.11	Valve core torque test	9
5.11.1	Test method	9
5.11.2	Performance	10
5.12	Valve core cycling test	10

5.12.1	Test method	10
5.12.2	Performance	10
5.13	Valve flow rate	10
5.13.1	Test method	10
5.13.2	Performance	10
Bibliography		11