

ISO 18885-3:2021-11 (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	2
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 only for valve with sensor housing designed to be connected only after valve seating	7
5.6.4	Force to pull back (unseating)	7
5.7	Burst	7
5.7.1	Test method	7
5.7.2	Performance	7
5.8	Ozone resistance	7
5.8.1	Test method	7
5.8.2	Performance	8
5.9	Flexing resistance	8
5.9.1	Test method	8
5.9.2	Performance	10
5.10	Corrosion test	10
5.10.1	Test method	10
5.10.2	Performance	10
5.11	Valve core torque test	11
5.11.1	Test method	11
5.11.2	Performance	11

5.12	Valve core cycling test	11
5.12.1	Test method	11
5.12.2	Performance	12
5.13	Valve flow rate	12
5.13.1	Test method	12
5.13.2	Performance	12
Bibliography		13