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Tubeless tyres — Valves and components — Test methods

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14960 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 9, *Valves for tube and tubeless tyres*.

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Tubeless tyres — Valves and components — Test methods

1 Scope

This International Standard specifies test methods and performance requirements for snap-in tubeless tyre valves and their components, intended for, but not limited to, highway applications.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3911, *Wheel and rims for pneumatic tyres — Vocabulary, designation and marking*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3911 and the following apply.

3.1
snap-in valve
tyre valve having a rigid housing adhered to a resilient body designed to retain and seal the valve in the rim hole

3.2
unused valve
snap-in valve that has completed final manufacturing processing at least 24 h previously, which has not been subjected to any test or service and which has been stored for no longer than 4 months in the dark at ambient temperature, in an optimal and non-aggressive environment

NOTE Rubber compounds can change characteristics during their life expectancy.

3.3
aged valve
unused valve that has been subjected to 100 ± 3 °C for a minimum of 4 h in circulating hot air and cooled at 20 °C to 26 °C for a minimum of 4 h

4 Test set-up

4.1 Test valve description

A snap-in valve unit free of rubber in the air passage, having no rubber or cement above the second thread on the housing, and without flow cracks, blisters, voids, or other moulding defects; its mould parting line flash should not exceed 1,3 mm in height or 0,15 mm in thickness at the outer edge.

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