INTERNATIONAL STANDARD

ISO 23671

Second edition 2015-09-01

Passenger car tyres — Method for measuring relative wet grip performance — Loaded new tyres

Pneumatiques pour voitures particulières — Méthode de mesure de enc. e l'adhérence relative sur revêtement mouillé — Pneumatiques neufs en





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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword-Supplementary information

The committee responsible for this document is ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 3, *Passenger car tyres and rims*.

This second edition cancels and replaces the first edition (ISO 23671:2006), which has been technically revised.

Passenger car tyres — Method for measuring relative wet grip performance — Loaded new tyres

1 Scope

This International Standard specifies the method for measuring relative wet grip braking performance index to a reference under loaded conditions for new tyres for use on passenger cars on a wet-paved surface.

The methods developed are meant to reduce variability. The use of a reference tyre is necessary to limit the variability of the testing procedures.

This International Standard applies to all passenger car tyres.

2 Normative references

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

ISO 4000-1, Passenger car tyres and rims — Part 1: Tyres (metric series)

ASTM E303-93 (Reapproved 2013), Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester

ASTM E501-08, Standard Specification for Standard Rib Tire for Pavement Skid-Resistance Tests

ASTM E965-96 (Reapproved 2006), Standard Test Method for Measuring Pavement Macro texture Depth Using a Volumetric Technique

ASTM E1136-93 (Reapproved 2003), Standard Specification for A Radial Standard Reference Test Tire

ASTM F2493-08, Standard Specification for P225/60R16 97S Radial Standard Reference Test Tire

EN 13036-1, Road and airfield surface characteristics — Test methods — Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

test run

single pass of a loaded tyre over a given test surface

3.2

candidate tyre

<set> test tyre (set) that is part of an evaluation programme

3.3

reference tyre

<set> special test tyre (set) that is used as a benchmark in an evaluation programme

Note 1 to entry: These tyres usually have carefully controlled design features to minimize variation.

Note 2 to entry: See ASTM F2493-08 — P225/60R16.