
Standard Specification for Rib-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests

AASHTO Designation: M 261-22¹

Technically Revised: 2022

Technical Subcommittee: 5a, Pavement Measurement

ASTM Designation: E501-08(2020)



**American Association of State Highway and Transportation Officials
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1. SCOPE

- 1.1. This specification covers the general requirements for the standard rib tire for pavement friction testing. The tire covered by this specification is only for use in evaluation of tire-pavement friction such as that in T 242.
- 1.2. Terminology in this specification is consistent with ASTM E867.
- 1.3. The values stated in SI units are to be regarded as the standard.
- 1.4. *This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety concerns associated with its use. It is the responsibility of the user of this standard to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
 - < M 339M/M 339, Thermometers Used in the Testing of Construction Materials
 - < T 242, Frictional Properties of Paved Surfaces Using a Full-Scale Tire
- 2.2. *ASTM Standards:*
 - < D297, Standard Test Methods for Rubber Products—Chemical Analysis
 - < D412, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension
 - < D1765, Standard Classification System for Carbon Blacks Used in Rubber Products
 - < D2240, Standard Test Method for Rubber Property—Durometer Hardness
 - < D3182, Standard Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets
 - < E1, Standard Specification for ASTM Liquid-in-Glass Thermometers
 - < E230/E230M, Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
 - < E867, Standard Terminology Relating to Vehicle-Pavement Systems
 - < E2877, Standard Guide for Digital Contact Thermometers