



Designation: D 5644 – 9601

Standard Test Methods for Rubber Compounding Materials—Determination of Particle Size Distribution of Recycled Vulcanizate Particulate Rubber¹

This standard is issued under the fixed designation D 5644; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 ~~These test method covers methods describe the determination of the procedures for determining average particle size distribution of recycled vulcanizate particulate.~~

1.2 ~~Method A describes the Ro-tap sieve test method for 60 mesh or coarser particles.~~

1.3 ~~Method B describes the ultrasonic technique combined with optical microscope especially suitable for 80 mesh or finer particles. This procedure is based on Test Method D 3849.~~

1.24 ~~The values stated in SI units are to be regarded as the standard. The values in parentheses are for information only.~~

1.3 ~~standard.~~

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

¹ This test method is under the jurisdiction of ASTM Committee D-11 on Rubber and is the direct responsibility of Subcommittee D11.26 on Recycled Rubber. Current edition approved Nov. 10, ~~1996~~, 2001. Published January ~~1997~~, 2002. Originally published as D 5644 - 96. Last previous edition D 5644 - 96.