

ASTM International Technical Committee G02 on Wear and Erosion

Scope

The promotion of knowledge, stimulation of research, formulation of definitions and terminology, and development of methods of testing and data analysis, relating to wear, friction, and erosion of materials and structures.

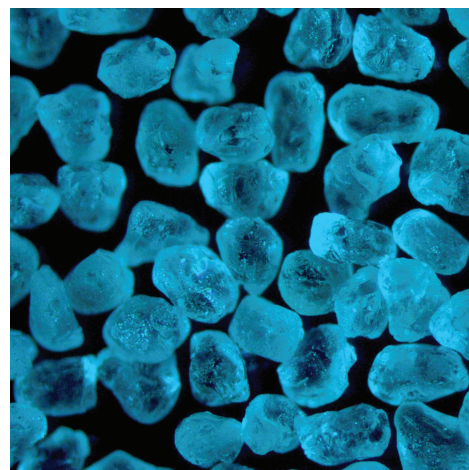
The areas of interest of the Committee shall be the response of solids to mechanical interactions that occur due to relative motion between a solid material and a contacting substance or substances. This includes surface-to-surface or particle-to-surface sliding or rubbing, flow of fluids or slurries, impingement by liquid jets, drops, or solid particles, and cavitation of contacting liquids. These phenomena sometimes coexist, interact, or overlap with somewhat related phenomena, such as corrosion or lubrication. The work of the Committee will be coordinated with other ASTM Committees and other organizations having mutual interests, including ASTM Committees G01 on Corrosion of Metals and D02 on Petroleum Products and Lubricants, ASME, STLE, ASM, SAE, and others.

Technical Committees

- G02.10 Erosion by Solids and Liquids
- G02.30 Abrasive Wear
- G02.40 Non-Abrasive Wear
- G02.50 Friction
- G02.90 Executive
- G02.90.02 Awards
- G02.91 Terminology
- G02.93 Editorial

Key Documents

- B611 Standard Test Method for Determining the High Stress Abrasion Resistance of Hard Materials
- G40 Standard Terminology Relating to Wear and Erosion
- G65 Standard Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus
- G99 Standard Test Method for Wear Testing with a Pin-on-Disk Apparatus
- G115 Standard Guide for Measuring and Reporting Friction Coefficients
- G133 Standard Test Method for Linearly Reciprocating Ball-on-Flat Sliding Wear
- G171 Standard Test Method for Scratch Hardness of Materials Using a Diamond Stylus



Quick Facts

Established 1964

Number of Members 80+

Number of Standards 35

Global Participation

13 Countries represented

The standards are available in

Volume 03.02 in the

Annual Book of ASTM Standards

Meetings G02 meets twice each year, in May/June and November/December

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