At Honeywell, makers of Uvex® safety eyewear, we understand that building a culture of safety is essential to maintaining a safe workplace. We’re committed to helping you create a safe organization with educational resources and tools. This reference guide will provide you with a better understanding of the Department of Defense Mil V, Ballistic Test as it relates to impact testing for safety eyewear.

Visit our website for additional educational resources and tools.
Honeywell Safety Products
900 Douglas Pike, Smithfield, RI 02917-1874
800.430.5490 • www.uvex.us

WARNING: This reference guide provides only an overview and is not intended to be used as a replacement for the specifications/standards shown. Honeywell Safety Products recommends all users of its products thoroughly read and understand the actual applicable specifications/standards when determining appropriate personal protection equipment to be used in a particular work environment.

UVEX.107 03/12
1.0 Scope

2.0 Applicable Documents

2.2.1 Specifications, Standards & Handbooks

3.0 Requirements

3.1 First Article

3.2 System Definition

3.3 Recycled, Recovered or Environmentally Preferable Materials

3.4 Design & Construction

3.5 Performance Requirements

3.5.1.1 Ballistic Resistance

4.0 Verification

4.1 Classification of Inspections

4.2 First Article Inspection

4.3 Conformance Inspection

4.4 Methods of Inspecting

4.4.1 Mechanical Tests

4.4.1.1 Ballistic Resistance

5.0 Packaging

6.0 Notes

2.2.1 Specifications, Standards & Handbooks

Dept. of Defense Standard: MIL-STD-662 V50 Ballistic Test for Armor

3.5.1.1 Ballistic Resistance – Performance

Pass V₀ test using 0.15 caliber, 5.8 grain, T37 shaped projectile at 640-660 feet/second velocity.

NOTE: This specification represents impact energy 7x greater than that of the ANSI and CSA standards.

4.4.1.1 Ballistic Resistance – Test Methods

Test conducted as specified in MIL-STD-662.