

ASTM D1623 Type A Tensile Grip

Tensile Grips for Rigid Foam Type A Specimens

Built to ASTM D1623 Type A — Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics



OVERVIEW

Tensile grips for Type A specimens of rigid cellular plastics. The grips seat the enlarged ends of the shaped foam specimen in matching holders so load is transferred without crushing the cells, and self-aligning linkages keep the load axial so failure occurs in the reduced section.

KEY FEATURES

- Holders shaped to seat Type A specimen ends
- Self-aligning linkages minimize bending
- Load transfer without crushing foam cells
- Lightweight design suits low foam forces
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Tensile properties, Type A specimens
Test type / loading	Monotonic tension at constant rate
Specimens	Shaped Type A foam specimens per ASTM D1623
Load capacity	2 kN standard; higher capacities on request
Fixture material	Aluminum and steel, corrosion-resistant finish
Gripping surfaces	Holders matched to specimen end geometry
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Rigid insulation foam testing
- Structural core foam characterization
- Spray foam product development
- Foam QC laboratories

ABOUT THE STANDARD

ASTM D1623 determines the tensile and tensile adhesion properties of rigid cellular plastics, including tensile strength, modulus and elongation, and the adhesion of foam to facings. Type A specimens are shaped foam specimens gripped at their ends, Type B specimens are bonded to loading blocks, and Type C specimens test bond to a substrate.

Ordering & customization: Specify specimen dimensions, required capacity and test machine connection when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures.
Part ref. UGC-D1623TypeA-TG