ASTM D695 Fig. 2 Compression Platens

Compression Platens for Rigid Plastics

Built to ASTM D695 Fig. 2 — Standard Test Method for Compressive Properties of Rigid Plastics



OVERVIEW

Precision compression platens for testing rigid plastic specimens per ASTM D695. Hardened, flat and parallel loading faces deliver uniform end loading to prism and cylinder specimens, with a guided arrangement maintaining alignment so specimens are compressed axially without eccentric loading.

KEY FEATURES

- Hardened, precision-ground faces held flat and parallel
- Guided alignment ensures axial loading of the specimen
- Accepts prism, cylinder and tube specimens
- Provision for deflectometer or compressometer measurement
- Threaded or clevis adapters to suit customer load frame

TECHNICAL SPECIFICATIONS

Test method	Compression of rigid plastics
Test type / loading	Static compression, low uniform strain rate
Specimens	Prisms, cylinders or tubes per ASTM D695
Load capacity	50 kN standard; higher capacities on request
Platen material	Hardened tool steel, ground flat and parallel
Contact surfaces	Precision-ground platen faces
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Rigid thermoplastics and thermosets
- Filled and reinforced compounds
- Material property data sheets
- Plastics QC labs

ABOUT THE STANDARD

ASTM D695 determines the mechanical properties of unreinforced and reinforced rigid plastics, including high-modulus composites, when loaded in compression at low uniform rates of straining. Prism, cylinder or tube specimens are compressed between flat platens, and compressive strength, yield, and modulus are calculated from the load-deformation response.

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

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-D695Fig.2-CP