

ISO 844 Compression Platens

Compression Platens for Rigid Cellular Plastics

Built to ISO 844 — Rigid cellular plastics — Determination of compression properties



OVERVIEW

Pair of round compression platens for testing rigid foam and cellular plastics. A bolted spherical seat allows the upper platen to self-align to the specimen face, while the large flat ground faces cover the full specimen cross-section for uniform loading.

KEY FEATURES

- Large ground platen faces cover the full specimen cross-section
- Bolted spherical seat lets the upper platen self-align
- Seat can be locked for fixed-platen testing
- Pin-and-socket shank for quick installation
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Compression properties of rigid cellular plastics
Test type / loading	Uniaxial compression at constant rate
Specimens	Square or round prisms per ISO 844
Load capacity	10 kN standard; higher capacities on request
Fixture material	Hardened steel, corrosion-resistant finish
Contact surfaces	Ground, flat, parallel platen faces
Alignment	Bolted spherical seat on upper platen
Machine connection	Pin socket or threaded adapter, to suit customer frame

APPLICATIONS

- Rigid PU and PIR insulation boards
- EPS and XPS foams
- Structural sandwich core foams
- Building product certification testing

ABOUT THE STANDARD

ISO 844 specifies a method for determining the compressive strength or compressive stress at 10 % relative deformation, and the compressive modulus, of rigid cellular plastics. A square or round prism specimen is compressed between parallel plates at constant rate perpendicular to its faces. Results are used to rate insulation and structural foams.

Ordering & customization: Specify specimen cross-section, platen diameter, 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-ISO844-CP