

ASTM D1335 Tensile Fixture

Tuft Bind Fixture for Pile Floor Coverings

Built to ASTM D1335 — Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings



OVERVIEW

Tensile fixture for tuft bind testing of pile yarn floor coverings. The carpet specimen is clamped flat under a plate with an opening, and a fine hook or clamp engages a single tuft or loop and pulls it from the backing, recording the force required to remove it.

KEY FEATURES

- Hold-down plate clamps the carpet specimen flat
- Fine hook engages a single tuft or loop
- Pull axis aligned perpendicular to the backing
- Quick specimen repositioning for multiple pulls
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Tuft bind of pile yarn floor coverings
Test type / loading	Tension, single tuft pulled from backing
Specimens	Carpet specimens per ASTM D1335
Load capacity	500 N standard; higher capacities on request
Fixture material	Steel, corrosion-resistant finish
Gripping surfaces	Tuft hook or clamp; specimen hold-down plate
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Tufted carpet production QC
- Loop and cut pile constructions
- Backing and latex adhesive evaluation
- Carpet tile testing

ABOUT THE STANDARD

ASTM D1335 measures tuft bind, the force required to pull a single tuft or loop out of a pile yarn floor covering. It applies to tufted, woven and other pile constructions, cut or loop pile. Tuft bind indicates how well tufts are anchored in the backing and helps predict resistance to pulled tufts and snags in service.

Ordering & customization: Specify pile type (cut or loop), hook or clamp style 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.
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