

TXL-YAN-008 / 27 October 2026 · One-year manufacturer warranty

Carpet Flammability Tester

A test chamber for evaluating the effects of a small ignition source on carpets and floor coverings. Methenamine tablet or hot metal nut testing is performed with the appropriate fixture.



Model technical data

1	Assesses the response of textile floor coverings to a small ignition source.
2	A method-specific setup is selected for methenamine tablet or hot metal nut testing.
3	The test chamber is made of non-combustible, heat-resistant panels.
4	Counterbalanced sliding access panel and upper observation mirror.

Physical specifications and utilities

Electrical supply	Manual / passive base apparatus; no mains supply assumed.
Power / connected load	Approx. 0 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 500 × 500 × 500 mm (W × D × H).
Instrument weight	Approx. 15–30 kg net.
Gross / shipping weight	Approx. 26.5–47.5 kg gross; estimated packing allowance.
Lab requirements	Suitable ventilation / process exhaust; external fan and duct loads are excluded from this preliminary estimate.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Carpet damage after a small ignition source
Parameters selected for the method	Separate kit for methenamine tablet or hot-nut method
Verification points	Burner/gas flow, geometry and timing

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

- Method code and edition, specimen ID, operator and selected test parameters are linked to the record.
- The calculation and endpoint are defined by the selected method edition; instrument signals and operator assessments are kept distinct.
- Raw measurements, units, valid/invalid test flags and the reported result remain traceable.
- Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

ISO 6925 · BS 4790 · BS 6307

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.

Test parameters for the reviewed method

The values below were reviewed in selected clauses of the stated source edition. They are not a declaration of equivalence to a later edition or independent instrument verification.

ISO 6925:1982 / SIST ISO 6925:1998 / 4.1–4.9

1	Carpet tablet test: open-top chamber, internal size 300 × 300 × 300 mm; metal plate 230 × 230 mm, thickness 6.5 ± 0.5 mm, opening Ø205 mm. Methenamine tablet 150 ± 5 mg, Ø6 mm; chamber dimensions are not overall instrument dimensions.
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BS 6307:1982 / 4.1–4.2, 4.4, 4.8, 6.2

1	Method: open-top test box internally 300 × 300 × 300 mm; plate 230 × 230 mm, thickness 6.5 ± 0.5 mm, opening 205 mm. Separate viewing hood about 2 m ² ; extraction off during test. Dry-conditioning option requires a separate oven at 105 ± 2 °C.
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BS 4790:1987 + amendments 6444/7376 — selected legible clauses / Appendix A; 9.3.2–9.3.4; 11(e)–(f)

1	Annex A: open-top box internally 380 × 380 × 380 mm; draught-free surroundings. Measure affected-area radius from nut application centre; report use face and observable underside separately, greatest radius to nearest 5 mm. Nut and heating tolerances remain outside this legible-clause review.
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