



innovative solutions

Flammability Test Apparatus As per ASTM 6413 (Vertical Burning)



The ASTM test serves as a preliminary indication of Textile / plastics material acceptability for use as part of a device or appliance with respect to its flammability.

This test uses specimen which is held at one end in the vertical position (in a U shaped sample holder) . A burner flame is applied to the free end of the specimen for specific time.

The Following Parameters are observed

Duration of flaming combustion after the burner flame application.

Duration of after burner flame burning

Duration of glowing combustion after burner flame application.

The Instrument consist of the following

- ✚ A Single Walled Chamber for sample burning with front glass door
- ✚ A Vertical Burner with precise gas control system including gas regulator
- ✚ Burner Moving system to adjust the burner position
- ✚ Sample Holding System
- ✚ Digital Timer for flame application (can be preset for 1 to 99 sec) with burner exhaust at the end of desired time
- ✚ Digital timer for flame observation after flame is removed. The timer starts automatically once the flame application time is up.
- ✚ Digital timer for Glow observation the timer starts automatically once the after flame timer is stopped .
- ✚ Exhaust Fan



(Actual instrument may differ from the photograph due to regular improvements)

S.S. INSTRUMENTS

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