

Description:

UL94 Horizontal-Vertical Flammability Tester is a fully automatic instrument contained in its own cabinet to maximize the safety of the operator. It screening procedure for comparing the relative burning behavior specimens made from plastic and other non-metallic materials, exposed to a flame ignition source of 50W or 500W nominal power. These test methods determine the linear burning rate and the after flame/afterglow times, as well as the damaged length of specimens. They are applicable to solid and cellular materials that have an apparent density of not less than 250kg/m³, determined in accordance with ISO 845. Then do not apply to materials that shrink away from the applied flame without ignition; ISO 9773 should be used for thin flexible materials. And the combustion test device of plastic materials represented by UL-94. It can perform each test of HB, V0 to V2, 5V and VTM, HBF.

Standards:

UL94: Test for Flammability of Plastic Materials for Parts in Devices and Appliances

GB / T2408: Plastic - Determination of burning characteristic - Horizontal and Vertical Test

ISO9722: Cellular plastics — Determination of horizontal burning characteristics of small specimens subjected to a small flame

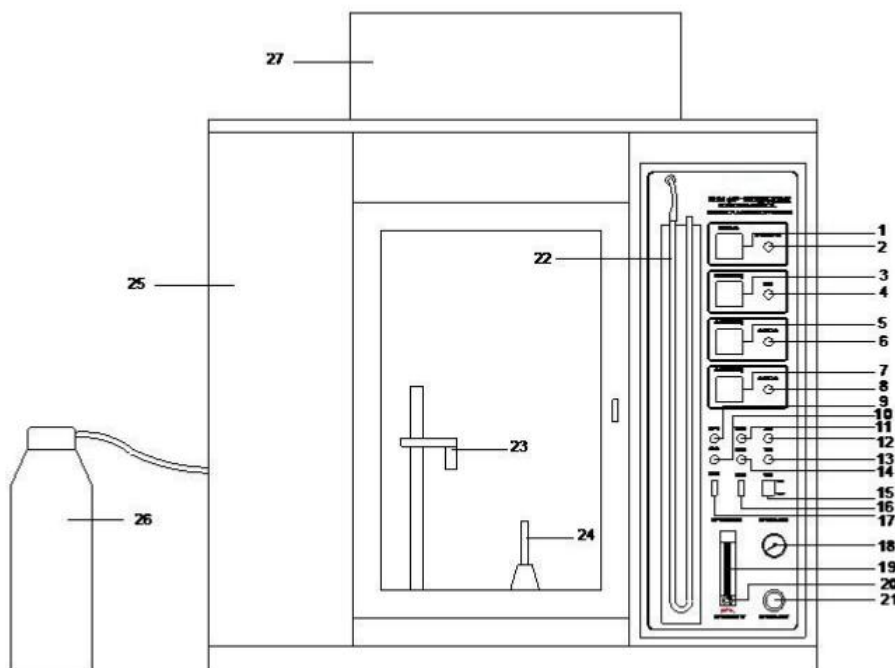
ASTM D4986: Standard Test Method for Horizontal Burning Characteristics of Cellular Polymeric Materials

IEC60695-11

Features:

Horizontal and vertical flammability chamber is composed by the test part and control part, using the integrated design, to facilitate the installation at the scene and debug. The shell of the test chamber and the important parts are all manufactured by stainless steel, resistant cigarettes and gas corrosion. The automatic degree of control system is high. Has automatic ignition, the products which were tested in both vertical and horizontal orientation has the function automatically follow flame in the cross of the test. Time and temperature figures show, so that the observation and records is facilitate and the use of it is stable and reliable.

Structure:



Specifications:

Test room size	≥0.5CBM, with observation window
Casting time	0 ~ 999.9S can be set
Residual flame time	0 ~ 999.9S can be set
Afterburning time	0 ~ 999.9S can be set
Burning Angle	20 ° , 45 ° , 90 ° (0 °) is adjustable
Size of the burners	Nozzle Ø 9.5±0.3 mm, inner diameter nozzle effective length to 100 ± 10 mm, have air conditioning
Flame height	20mm to 175mm adjustable
Control System	PLC + Touch Screen auto & manual control + Printer
Product Features	Equip with Lighting fixtures, Exhaust gas installations, Gas flow regulating valves, Gas pressure gauges, Gas pressure regulating valves, Gas flow meters, Gas u-type pressure gauges and Sample fixtures
Power supply	AC 220V, 50Hz