

SL-S19 ASTM 45 Degree Flammability Tester



Use

This machine is suitable for testing the performance of textiles in children's pajamas and pants, or in the hands of consumers or from consumers. Tests for the flammability of textiles used in the manufacture of garments, the introduction of three types of flammability, the determination of the classification of textiles, and the use of single or multi-layer fabrics that are commercially viable as unsuitable garments and have the potential to burn. caveat.

Description

To determine the burning characteristics of textiles under controlled conditions. Stainless steel test cabinet with glass observation panel provided with automatic timing of flame spread in 0.1-second increments from ignition. Brushing Device including Spare Nylon Brush.

Principle

Under the specified conditions, the sample is placed at an angle of 45°, the sample is ignited for 1 s, and the time required for the sample to burn upward by a certain distance is used as a measure for assessing the degree of burning of the textile. Fabrics with surface piles, the

ignition or melting of the base fabric as an additional indicator of the severity of the combustion, but need to be noted.

Key Specification

Time Display	0-99.9S
Test box	37cm*22cm*35cm, top 12 vents with a diameter of 12.7mm
Sample holder	45°
Sample holder	upper plate slotted 38mm*152mm
Sample size	50mm*150mm
Bristle load	150gf
Resolving Capability	0.1S
Ignition time	1s or set it Set arbitrary
Dimensions	420 x 260 x 520mm (L*W*H)
Power	AC 220V / 50Hz / 2A
Standards	ASTM D1230, CRF 16-1610
Weight	32kg

The distance between the nozzle axis and the rotating shaft: 44mm

The nozzle is away from the sample surface: 8mm

Fire mouth distance marking line: 127mm

Please review video of the 45 Degree Automatic Flammability Tester operation as below link:

https://youtu.be/LkLZ_NMmh08



Burner



Fixture



Brush