

BVG 窗帘和绒布的燃烧性能

DIN EN 13772



测量垂直固定的样品暴露在大火源下的火焰蔓延性能

产品描述

测量垂直固定的样品暴露在大火源下的火焰蔓延性能。

此设备测试纺织面料和纺织产品,评估垂直固定的样品的燃烧性能和火焰蔓延性能。设备由燃烧箱、气动控制燃烧器(可调节高度,3个以上角度位置调节)、燃烧器的移动装置、辐射器、量热计和样品固定装置。辐射器的温度控制,燃烧器的移动、防护罩、数据采集都是由软件控制的。

技术参数

样品：	建筑材料
测试标准：	DIN EN 13772
传感器：	温度
电源：	230 VAC / 1 kVA
设备尺寸：	800 x 800 x 600 mm (W x D x H)
重量：	50 kg

Characteristics

Burning behavior of curtains - measuring the flame spreading behavior of vertically fixed specimen exposed to large ignition sources.

The device tests textiles and textile products, assessing the burning behavior and flame spreading behavior of vertically fixed specimen.

The device consists of the burning box, a pneumatically controlled burner which is adjustable vertically and has more than 3 angle positions, the burner's moving mechanism, an irradiator, a calorimeter and the mechanism for fixing the specimen. The temperature control of the irradiator, the moving of the burner and the shield and the data collection is software controlled. The testing process can be defined in a simplified manner as follows: A heat flow with defined thermal rating is directed through a fixed plate in the lower part of the backside of the vertically fixed specimen. After 30 s a small flame (see DIN EN ISO 6941) is directed to a small piece of cotton tissue for 10 s where the tissue is fastened around the specimen's edge. The possible flame spread is measured through the breaking of the marking threads.

Technical specifications

Geometry of specimen:	Construction materials
Testing standards:	DIN EN 13772
Sensory functions :	Temperature
Power input:	230 VAC / 1 kVA
Dimensions (testing device):	800 x 800 x 600 mm (W x D x H)
Weight (testing device):	ca. 50 kg