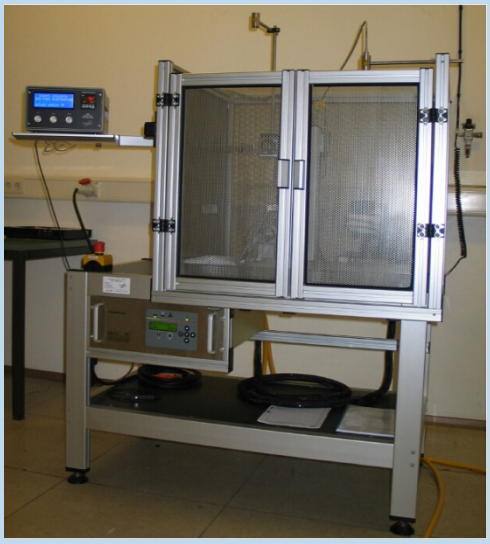
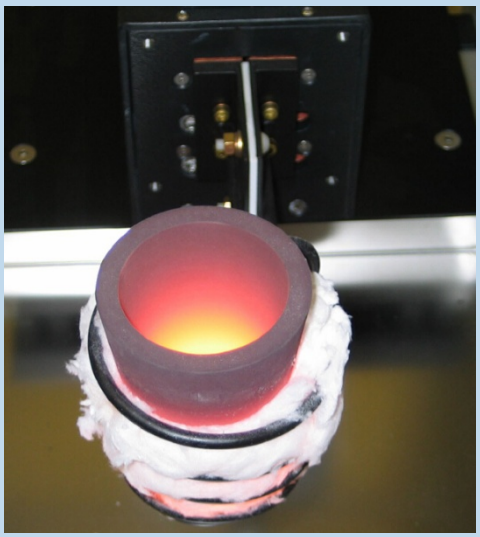
佰汇兴业（北京）科技有限公司
北京市海淀区西八里庄路 69 号西楼 201 室　100142

MMS 防护服金属熔珠飞溅试验

DIN EN ISO 9185





评价材料抵抗液态金属飞溅性能

产品描述

评价材料抵抗液态金属飞溅性能

测试过程中，适量的熔融金属溅射到一定角度放置的样品上。将一个 PVC 薄膜附在样品背面与之接触。通过记录溅射过程后的 PVC 薄膜的变化来评价损坏情况。根据测试结果，使用更大或更小的金属量进行重复试验，直至 PVC 薄膜损坏程度最小。

带感应线圈和高频发生器的熔炉将金属融熔。高性能光纤双色高温计用于温度控制和测量溅射温度。温度控制器将温度调整在 700°C 和 1800°C 之间。步进电机控制倾斜速度和倾斜角度。冷却装置使用连接设备的进口和出口的水流进行冷却。

技术参数

样品：	织物
测试标准：	DIN EN ISO 9185
传感器：	温度
电源：	3 ~ 400 VAC / 7.5 kVA
水源：	冷却水
尺寸：	1300 x 1500 x 700 mm (W x D x H)
重量：	100 kg

Characteristics

Resistance of a material against liquid metal splashes.

During the test defined amounts of melted liquid metal are poured onto the specimen which is positioned in certain angle on the specimen holding frame. A PVC film is attached behind the specimen and in contact with it. The damage is assessed by recording the changes to the PVC film after the pouring process. According to the result the test is repeated with either a larger or a smaller amount of metal until the minimal amount which damages the PVC film is determined. The melt is molten in a melting pot by an induction coil and a high-frequency generator. A high-performance optical fiber two color pyrometer is used as command variable for the temperature control and for determining the pouring temperature. The temperature is adjusted between 700 and 1800°C by a temperature control. The tilting speed and tilting angle are controlled by a stepper motor. The power supply is provided by a three-wire plug 3 ~ 400 VAC (5x16 A 6h CEE). The cooling mechanism works with a continuous water flow which is provided by an inlet and outlet on the testing device.

Technical specifications

Geometry of specimen:	Textiles
Testing standards:	DIN EN ISO 9185
Sensory functions:	Temperature
Power input:	3 ~ 400 VAC / 7.5 kVA Cooling water
Dimensions (testing device):	1300 x 1500 x 700 mm (W x D x H)
Weight (testing device):	ca. 100 kg