

美国标准 UL94 - 设备和电器部件材料可燃性测试

产品名称	美国标准 UL94 - 设备和电器部件材料可燃性测试
公司名称	深圳市实测通技术服务有限公司
价格	.00/件
规格参数	测试周期:5-7天 寄样地址:深圳宝安 价格费用:电话详谈
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产品详情

Test item 测试名称：

Test For Flammability of Plastic Materials for Parts in Devices and Appliances

设备和器具部件材料的可燃性能试验

Test info 测试内容：

Test Items	Relevant Standards
水平燃烧(自撑料)	UL 94:1997, ASTM D635
UL94 HB	IEC 60695-11-10
conditioning	23 ± 2 ° C and 50 ± 5 percent relative humidity for a minimum of 48 hours
垂直燃烧(自撑料)	ASTM D3801-00/IEC 60695-11-10
UL94 V0,V1,V2	23 ± 2 ° C and 50 ± 5 percent relative humidity for a minimum of 48 hours and preconditioned in an air-circulating oven for 168 hours at 70 ± 1 ° C and then cooled in the desiccator for at least 4 hours at room temperature, prior to testing.
conditioning	
垂直燃烧(自撑料)	ISO 1035
UL94 5VA, 5VB	ASTM D5048
conditioning	23 ± 2 ° C and 50 ± 5 percent relative humidity for a minimum of 48 hours and preconditioned in an air-circulating oven for 168 hours at 70 ± 1 ° C and

then cooled in the desiccator for at least 4 hours at room temperature, prior to testing.

水平燃烧(泡沫材料)
UL94 HBF, HF-1, HF-2
conditioning

ASTM D4986/ISO 3852
IEC 60695-11-10
 23 ± 2 ° C and 50 ± 5 percent relative humidity for a minimum of 48 hours and preconditioned in an air-circulating oven for 168 hours at 70 ± 1 ° C and then cooled in the desiccator for at least 4 hours at room temperature, prior to testing.

垂直燃烧(软质塑料)
UL94 VTM0, VTM-1, VTM-2
conditioning

ISO 9773
ASTM D4804
 23 ± 2 ° C and 50 ± 5 percent relative humidity for a minimum of 48 hours and preconditioned in an air-circulating oven for 168 hours at 70 ± 1 ° C and then cooled in the desiccator for at least 4 hours at room temperature, prior to testing.

Sample Required and Turnaround Time, 所需样品及时间

Test Items

HB

12 pieces with the size of 125 ± 5 mm long by 13.0 ± 0.5 mm wide, and provided in the minimum thickness and 3.0 (-0.0 +0.0) mm. The 3.0 mm thick specimens are not necessary if the minimum thickness is greater than 3.0 mm, or the maximum thickness is greater than 3.0 mm. The maximum thickness is not to exceed 13 mm. The maximum width is not to exceed 13.5 mm, the edges are to be smooth, and the radius on the corners is not to exceed 1.3 mm.

12 pieces with the size of $(125 \pm 5) \times (13 \pm 0.2)$ mm X thickness(需要提供测试的最小厚度样品和3毫米厚度样品,若材料厚度大于3mm,或者最大厚度小于3MM,则可以不用提供3mm样品;样品最大厚度不超过13mm,最大宽度不超过13.5mm)
V0, V1, V2

17 pieces with the size of 125 ± 5 mm long by 13.0 ± 0.5 mm wide, and provided in the minimum and maximum thicknesses covering the thickness range to be tested. Specimens in intermediate thicknesses are also to be provided and shall be tested if the results obtained on the minimum or maximum thickness indicate inconsistent test results. Intermediate thicknesses are not to exceed increments of 3.2 mm. Also, the edges are to be smooth, and the radius on the corners is not to exceed 1.3 mm.

17 pieces with the size of $(125 \pm 5) \times (13 \pm 0.2)$ mm X thickness(需要提供测试的最小厚度样品和最大样品厚度;样品厚度覆盖要测试的厚度范围;如果最小厚度样品和最大厚度样品得出的结果不一致,则还需要提供中间尺寸样品,中间尺寸厚度覆盖要测试的厚度范围,最大厚度不超过13mm)

5VA, 5VB

32 pieces with $(125 \pm 5) \times (13 \pm 0.5)$ mm X minimum thickness AND 10 pieces $150 \pm 5 \times 150 \pm 5$ mm X minimum thickness
32 pieces with $(125 \pm 5) \times (13 \pm 0.5)$ mm X 最小厚度和 10 pieces $150 \pm 5 \times 150 \pm 5$ mm X最小厚度 (最大厚度不超过13mm)

HBF, HF-1, HF-2

17 pieces 150 ± 5 mm long by 50 ± 1 mm wide, in the minimum and maximum thicknesses covering the thickness range to be tested. Specimens tested by this method are limited to a maximum thickness of 13 mm. Specimens in intermediate thicknesses are also to be provided and shall be tested if the results obtained on the minimum and/or maximum thickness indicate inconsistent test results. Intermediate thicknesses are not to exceed increments of 6 mm. The maximum width is not to exceed 50 mm. The edges are to be smooth, and the radius on the corners is not to exceed 2 mm

17 pieces $(150 \pm 5) \times (50 \pm 1)$ mm X thickness (最小厚度和最大厚度都要提供,当最大厚度和最小厚度的测试结果不一致,则中间的厚度也要提供,间隔不要超过6mm,试样宽度不要超过50mm)
VTM0,VTM-1, VTM-2

17 pieces, 200 ± 5 mm in length by 50 ± 1 mm in width, in the minimum and maximum thicknesses that are to be tested covering the thickness range under consideration. Specimens in intermediate thicknesses are also to be provided and shall be tested. if the results obtained on the minimum and/or maximum thicknesses indicated inconsistent test results

17 pieces $(200 \pm 5) \times (50 \pm 1)$ mm X thickness (最小厚度和最大厚度都要提供,这样可以认为测试结果对整个厚度系统有效)

但当最小厚度和最大厚度的测试结果不一致时，中间的厚度也要提供)

Others 其他信息:

1. UL94垂直燃烧，要求前处理70度168小时, 所以不能申请加急服务

2. Sample Report 报告样本：