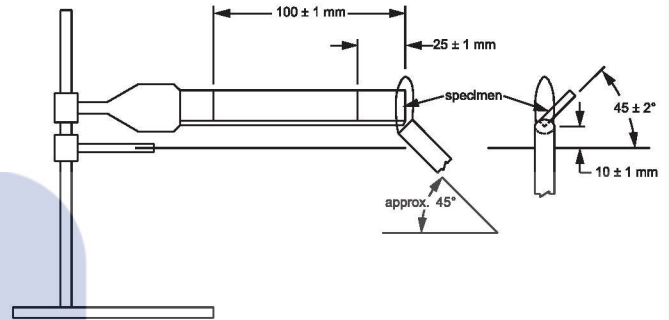


Technical Data

UL94

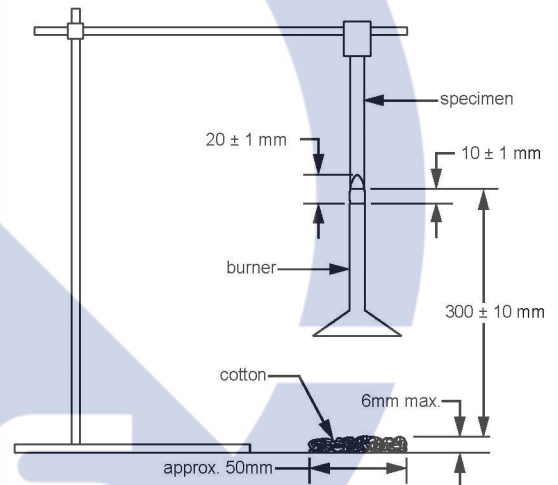
[UL 94 HB (Horizontal Burning)]

Specimens :	
Length : 125 ± 5 mm	
Wide : 13 ± 0.5 mm	
Thickness : < 3 mm or 3~13mm	
Procedure :	
The sample and the fire were horizontally contacted at an angle of 45 degrees for 30 seconds and then moved away. The depth of contact was 6 ± 1 mm. Observe its burning situation, meet any of the following requirements, that is, meet.	
Criteria condition	Requirement
Burning rate	Test specimen thickness 3 - 13 mm , ≤ 40 mm/min
	Test specimen thickness < 3 mm , ≤ 75 mm/min
Burning length	Flame is extinguished before 100mm mark



[UL 94 V (Vertical Burning)]

Specimens :			
Length : 125 ± 5 mm			
Wide : 13 ± 0.5 mm			
Thickness : 0.025 mm~13mm			
Procedure :			
With a fire of 50 W, a height of 20 mm, and vertical contact with the specimen for 10 seconds twice, observe the remaining flames and embers.			
Perform the following two stages of testing:			
1) The first stage: the specimen is pre-treated (temperature $23 \pm 2^\circ\text{C}$, relative humidity $50 \pm 5\%$, 48 hours), and after passing the test of the following test items, the second stage test is performed.			
2) The second stage: the specimen is pretreated (temperature $70 \pm 1^\circ\text{C}$, 168 hours, and cooled at room temperature for 4 hours). After passing the test of the following test items, the grade can be determined.			
Criteria condition	Requirement		
	V-0	V-1	V-2
Afterflame time for each individual specimen t1(s)	≤ 10	≤ 30	≤ 30
Afterflame time for each individual specimen t2(s)	≤ 10	≤ 30	≤ 30
Total afterflame time for any condition set (t1 plus t2 for the 5 specimens) (s)	≤ 50	≤ 250	≤ 250
Afterflame plus afterglow time for each individual specimen after the second flame application (t2+t3) (s)	≤ 30	≤ 60	≤ 60
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	Yes



※According to the severity of the test method of fire resistance test, its grade from good to bad: HB> V0> V1> V2