

Classification* According to UL94

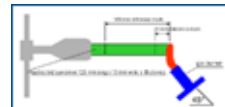
UL 94

Underwriters laboratory (UL) intends to serve as a preliminary indication of a plastics acceptability for use as part of a device or appliance with respect to its flammability. It is not intended to reflect the hazards of a material under actual fire conditions.

The 94HB test describes the Horizontal Burn method (Fig.1). Method 94V is used for Vertical Burn, a more stringent test than 94HB (Fig.2)

UL-Horizontal burning test for HB classification - UL 94 criteria for the HB-rating:

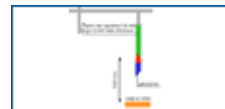
- maximum burning rate of 40 mm/min for specimens having a thickness of 3 - 13 mm, or
- maximum burning rate of 75 mm/min for specimens having a thickness less than 3 mm, or
- cease to burn before the 100 mm reference mark



UL Horizontal burning test

UL-Vertical burning test for V-0, V-1 and V-2 classification

	V-0	V-1	V-2
no specimen shows an afterflame time longer than ...seconds after each flame application	10	30	30
total afterflame time does not exceed seconds for each set of 5 specimens	50	250	250
no specimen shows an afterflame plus afterglow time longer than seconds after the second flame application	30	60	60
afterflame of afterglowing up to the holding clamp	no	no	no
cotton indicator ignited by flaming particles or drops	no	no	yes



UL Vertical burning test