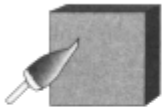




SURFACE BURN	VERTICAL BURN	HORIZONTAL BURN
		
Doesn't Ignite Under Hotter Flame UL 94 5VA UL 94 5VB	Self Extinguishing UL 94 V-0 (Best) UL 94 V-1 (Good) UL 94 V-2 (Drips)	Slow Burn Rating Takes more than 3 min. to burn 4 inches

UL 94 Flammability Ratings Summary

5VA Surface Burn	Burning stops within 60 seconds after five applications of five seconds each of a flame (larger than that used in Vertical Burn testing) to a test bar. Test specimens MAY NOT have a burn-through (no hole). This is the highest (most flame retardant) UL94 rating.
5VB Surface Burn	Burning stops within 60 seconds after five applications of five seconds each of a flame (larger than that used in Vertical Burn testing) to a test bar. Test specimens MAY HAVE a burn-through (a hole).
V-0 Vertical Burn	Burning stops within 10 seconds after two applications of ten seconds each of a flame to a test bar. NO flaming drips are allowed.
V-1 Vertical Burn	Burning stops within 60 seconds after two applications of ten seconds each of a flame to a test bar. NO flaming drips are allowed.
V-2 Vertical Burn	Burning stops within 60 seconds after two applications of ten seconds each of a flame to a test bar. Flaming drips ARE allowed.
H-B Horizontal Burn	Slow horizontal burning on a 3mm thick specimen with a burning rate is less than 3"/min or stops burning before the 5" mark. H-B rated materials are considered "self-extinguishing". This is the lowest (least flame retardant) UL94 rating.



Reference Standards

The FTT UL 94 tests for flammability of plastic materials giving a preliminary indication of their suitability for a particular application. The apparatus is supplied as a complete system incorporating all the features necessary for ease of use and safety. It conforms to all five UL 94 horizontal and vertical Bunsen burner tests and associated international standards. These are: -

1. Horizontal Burning Test; UL 94HB (ASTM D 635, ISO 1210, IEC 60695-11-10 or IEC 60707).
2. Vertical Burning Test; UL 94V-0, V-1, or V-2 (ASTM D 3801, IEC 60695-11-10, IEC 60707 or ISO 1210).
3. 500 W (125mm) Vertical Burning Test; 5VA or 5VB (ASTM D 5048, IEC 60695-11-20, IEC 60707 or ISO 9772).
4. Thin Material Vertical Burning Test; VTM-0, VTM-1, or VTM-2 (ASTM D 4804 or ISO 9773).
5. Horizontal Burning Foamed Material Test; HBF, HF-1, or HF-2 (ASTM D 4986 or ISO 9772).
6. Burners (ASTM D 5025, ASTM D 5207, ISO 10093, ISO 10351)

Features