

# LAMINACORR | FLAME RETARDANT

PRODUCT / ATTRIBUTE		TEST RESULTS						
	Gage	Mass gr/sqm	UL 94 H-B	ASTM E-84-18A	NFPA 701	UL 94 V-2	UL 94 V-1	UL 94 V-0
LIGHT-DUTY RETARDANT	4mm	700	✓	✓				
MEDIUM-DUTY RETARDANT	4mm	700	✓	✓	✓	✓		
HEAVY-DUTY RETARDANT	4mm	700	✓	✓	✓	✓	✓	✓

\*Test arranged from lowest (Least flame-retardant) to highest (Most flame-retardant)

## UL 94

UL 94, the Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances testing, is a plastics flammability standard. The standard determines the material's tendency to either extinguish or spread the flame once the specimen has been ignited.

From lowest (Least flame-retardant) to highest (Most flame-retardant):

- H-B** Horizontal Burn; Slow horizontal burn test (H-B) are considered "self-extinguishing". This is the lowest (least flame retardant) UL94 rating.
- V-2** Vertical Burn; Burning stops within 60 seconds, Flaming drips ARE allowed.
- V-1** Vertical Burn; Burning stops within 60 seconds, NO flaming drips are allowed
- V-0** Vertical Burn; Burning stops within 10 seconds, NO flaming drips are allowed

## ASTM E-84-18A

ASTM E84 is an American National Standard (ANSI) and has been approved for use by agencies of the Department of Defense. The test was conducted in accordance with the ASTM International fire-test-response standard E84-18a, *Surface Burning Characteristics of Building Materials*, sometimes referred to as the Steiner tunnel test. The ASTM E84 test method is the technical equivalent of UL No. 723. The test is applicable to exposed interior surfaces such as walls and ceilings. The test is conducted with the specimen in the ceiling position with the surface to be evaluated face down toward the ignition source.

**Notice:** This reference table is based upon data considered to be accurate at the time of its preparation. This information is furnished without warranty, expressed or implied, expect that it is accurate to the best knowledge of Laminacorr Industries following test results provided by external firms.

## NFPA 701-15

This standard establishes test methods to assess the propagation of flame of various textiles and films under specified fire test conditions. Corrugated plastic falls within method 2. Test specimens are conditioned to 105°C for a period between 1 and 3 hours. The specimens are supported vertically with clips. Exposed to a calibrated flame until material cease or burned completely.