

CLT Flammability Test Report

UL 94 Verification Test

Samples: 5 bars of 1.6 mm in thickness

1. POLYETHYLENE

	E1	E2	E3	E4	E5		
Burning length (mm)	75	75	75	75	75		
Time of combustion (s)	127	101	99	191	158	Average	Requirement
Speed combustion (mm/min)	35.4	44.6	45.5	23.6	28.5	35.5mm/min	Burning rate 75mm/min Max

The flame front passes the 25 and 100mm mark.

2. HEAT STABILIZED NYLON

	E1	E2	E3	E4	E5		
Burning length (mm)	75	75	75	75	75		
Time of combustion (s)	89	69	92	79	71	Average	Requirement
Speed combustion (mm/min)	50.5	65.2	48.9	56.9	63.3	57 mm/min	Burning rate 75mm/min Max

The flame front passes the 25 and 100mm mark.

Based on the above results, the Polyethylene and Heat Stabilized Nylon are rated HB.

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Unified Physical Infrastructure



Product Test

3. POLYETHYLENE

Diameter: 1 inch

- 5 samples of tubing
- Method according to the ISO 3795 / SAE J369 (Max burn rate 100 mm/min)

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Average
68 mm/min	79.5 mm/min	70.2 mm/min	67.3 mm/min	75.8 mm/min	72.1 mm/min

4. HEAT STABILIZED NYLON

Diameter: 1 inch

- 5 samples of tubing
- Method according to the ISO 3795 / SAE J369 (Max burn rate 100 mm/min)

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Average
49 mm/min	82 mm/min	65 mm/min	60 mm/min	63.6 mm/min	63.9 mm/min

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