Report purpose:

Fire behaviour according to UL 94 HB standard, for reference PRA 794.

Result:

Measured data	HB specifications According to UL94 std	PRA 794
The specimens cease to burn before the flame reaches the 100 mm mark.(second mark)	Yes If not, then measure time to reach the 100 mm mark	No
Time for the flame to reach the 100 mm mark (between the first and the second mark)	> 1 min.	**Approx. 5 min.**
The specimens shouldn't have a burning rate exceeding 75 mm per minute to the 100 mm mark for specimens having a thickness lower than 3.0 mm	≤ 75 mm/min	**Approx. 15 mm/min**

Test conclusion:

The materials referenced PRA 794, casted by LCO Company, and tested according to UL 94 standard, meet the requirements of HB.

Author:
R&D technician
F. Carpentier

Approbator:
R&D Laboratory manager
F. Labrude

Reference of the tested material:

PRA 794

Followed standard / Test method:

UL 94 / horizontal burning

Conditions used for the specimen making:

Specimens has been casted by LCO Company

- PRA 794 polyol (SH194 000) batch number: **P005103**
- PRA 794 Isocyanate(ST 000 401) batch number: **P002171**

Specimen's size: 125 X 13 X 2.0 mm
Post curing after polymerisation: 1 H at 70°C + 1 H at 100°C + 2 H at 120°C + 48 H at room temp. with 50% RH before the test

First mark: 25 mm
Second mark: 100 mm (first mark + 75 mm)

Table of burning-test results

Specimen	The specimens cease to burn before the flame reaches the 100 mm mark.(second mark)	Time for the flame to reach the 100 mm mark (between the first and second mark)	The specimens may not have a burn rate exceeding 38 mm per minute to the 100 mm mark for specimens having a thickness of 3.0 mm to 13 mm
1	NO	294 sec.	15,5 mm/min.
2	NO	298 sec.	15,3 mm/min.
3	NO	307 sec.	14,8 mm/min.
Average	-	299 sec.	15,2 mm/min.