Report purpose:

Fire behaviour according to UL 94 HB std, for reference PR 777.

Result:

Measured data	HB specifications According to UL94 std	PR 777
The specimens cease to burn before the flame reaches the 100 mm mark.(second mark)	Yes If not, then to measure time to reach the 100 mm mark	No
Time for the flame to reach the 100 mm mark (between the first and second mark)	> 2 min.	**Approx. 4 min.**
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	< 38 mm/min	**Approx. 26 mm/min**

Test conclusion:

The materials referenced PR 777, tested according UL 94 std, meet the requirements of HB.

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Reference of tested material:

PR777

Standard followed / Test method:

UL 94 / Horizontal burning

Batch numbers used and conditions used for the specimen making:

- PR 777 polyol (ST 777 000) , batch number: ***P012300***
- PR 7 Series Isocyanate(ST 000 401), batch number: ***3376-001***

Specimen's size: 125 X 12.7 X 4.0 mm
Post curing after polymerisation: 2 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	230 sec.	25.7 mm/min.
2	NO	235 sec.	25.5 mm/min.
3	NO	238 sec.	25,2 mm/min.
Average	-	234 sec.	25.6 mm/min.