

	<b>R&amp;D LABORATORY TEST REPORT</b>	Issue : 00
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Test report purpose :

Fire resistance of the material PRA794 according to the UL94 standard.

Results:

Requirements	5 VA requirements according to UL94	<b>PR A 794</b>
The specimens may not burn with flaming or glowing combustion for more than 60 seconds after the fifth application of the test flame.	< 60 sec.	< 60 sec.
The specimens may not drip flaming particles that ignite the dry absorbent surgical cotton located 300 mm below the test specimen.	No	No
Plaque specimens can exhibit burnthrough.	No	No

Test conclusions :

The material PRA 794, tested according to the UL94 standard, is rated 5 VA on a thickness of 3 mm.


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Self-extinguishing properties  
according to UL94 standard

RD 11001

Name of the tested material :

**PR A 794**

Used Standard / Test method :

**UL94 / 5 V**

Used batch numbers and conditions of production of the test specimens :

- PR A 794 Polyol (SH194000), batch : 458519
- PR A 794 Isocyanate (SH000401), batch : 017633

Test specimens dimensions:

- Vertical specimens (5) : 125 x 13 x 3 mm
- Horizontal specimens (5) : 150 X 150 X 3 mm

Polymerization process: 1 hour at 70°C + 1 hour at 100°C + 2 hours at 120°C + 48 hours at RT by 50% of RH.

Ignition tests table of results :

		Test on vertical specimens (125 X 13 X 3 mm)				Test of horizontal specimens (150 X 150 X 3 mm)				
Specimen	Thickness (mm)	Five Applications of five seconds each of a 127 mm long flame, with 5 seconds of break between each application.	The specimen burns (or exhibit glowing combustion) for more than 60 seconds after the 5th application.	Flaming particles ignite the dry absorbent surgical cotton located 300 mm below the test specimen.	Drops that don't ignite the dry absorbent surgical cotton.	Five Applications of five seconds each of a 127 mm long flame, with 5 seconds of break between each application.	The applied flame burns through the test specimen.	Flaming particles ignite the dry absorbent surgical cotton located 300 mm below the test specimen.	Drops that don't ignite the dry absorbent surgical cotton.	Rating according to the 5V : A or B classification.
1	3	X	No	No	No	X	No	No	No	A
2	3	X	No	No	No	X	No	No	No	A
3	3	X	No	No	No	X	No	No	No	A
4	3	X	No	No	No	X	No	No	No	A
5	3	X	No	No	No	X	No	No	No	A

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