

Thermoplastics Testing Center



**Underwriters
Laboratories**

50W (20mm) Vertical Burning Test (not according to standard)

UL94, §8

V-0, V-1 or V-2

(ASTM D3801, IEC 60695-11-10, CS)

*Tested with switched off light in flame hood

CSA 22.2 No. 0.17-00,

subclause 4.2.2 Vertical Burning Tests for Classifying Materials as V-0, V-1 and V-2 (50 W)

LAB JOB NO: KUEXT08947

Material: NORPLAST PVC 383 Color: GY

(x)Radius<1.3mm, Width 13.0±0.5mm, Length=125±5mm

Thickness: mm

>48h at 23± 2°C and 50± 5% RH					168h at 70±1°C+4h 23±2°C<20%RH				
Specimen	Thk. mm	t1 s	t2 s	t2 + t3 s	Specimen	Thk. mm	t1 s	t2 s	t2 + t3 s
1	1,30-3,55	6,0 (2)	4,0	4,0 (4)	1	1,31-3,62	4,0 (2)	16,0	16,0 (4)
2	1,00-3,50	15,0 (2)	7,0	7,0 (4)	2	1,31-3,63	13,0 (2)	10,0	10,0 (4)
3	1,32-3,50	10,0 (2)	22,0	22,0 (4)	3	1,10-3,56	2,0 (2)	2,0	2,0 (4)
4	1,26-3,53	1,0 (2)	2,0	2,0 (4)	4	1,04-3,53	29,0 (4)	21,0	21,0 (1)
5	1,35-3,55	15,0 (4)	2,0	2,0 (4)	5	1,53-3,60	13,0 (4)	12,0	12,0 (4)
Total Flame Time (t1+t2), s : 84,0					Total Flame Time (t1+t2), s : 122,0				
Date Tested: <u>2015-12-21 10:05</u> Tech: <u>21954</u>					Date Tested: <u>2015-12-29 13:23</u> Tech: <u>45960</u>				
Micrometer: <u>13241457</u> Hood/PC: <u>#5/KRE1114S4G98945</u>					Micrometer: <u>13241457</u> Hood/PC: <u>#3/KRE0714S4E47898</u>				

**FLAME
CLASS

V-2**

see Re-test

Material: NORPLAST PVC 383 Color: GY

(x)Radius<1.3mm, Width 13.0±0.5mm, Length=125±5mm

Thickness: mm

>48h at 23± 2°C and 50± 5% RH					168h at 70±1°C+4h 23±2°C<20%RH				
Specimen	Thk. mm	t1 s	t2 s	t2 + t3 s	Specimen	Thk. mm	t1 s	t2 s	t2 + t3 s
1					1	1,33-3,57	4,0 (2)	4,0	4,0 (2)
2					2	1,37-3,59	19,0 (2)	7,0	7,0 (4)
3					3	1,27-3,56	12,0 (4)	13,0	13,0 (4)
4					4	1,14-3,52	4,0 (2)	1,0	1,0 (4)
5					5	1,28-3,56	13,0 (2)	6,0	6,0 (4)
Total Flame Time (t1+t2), s :					Total Flame Time (t1+t2), s : 83,0				
Date Tested: _____ Tech: _____					Date Tested: <u>2015-12-29 13:41</u> Tech: <u>45960</u>				
Micrometer: _____ Hood/PC: _____					Micrometer: <u>13241457</u> Hood/PC: <u>#3/KRE0714S4E47898</u>				

Re-test

**FLAME
CLASS

V-2**

LAB Ambient: 23°C (25± 10°C) and 50%RH (60±15%RH)

LAB Ambient: 23°C (25± 10°C) and 46%RH (60±15%RH)

- (1) Specimen burned up to holding clamp.
- (2) Specimen did not drip.
- (3) Specimen dripped particles which did not ignite cotton.

- (4) Specimen dripped particles which ignited cotton.
- (7) Fumes from specimen extinguished flame-burner relit during test
- (6) Remarks: _____

Oven No: 10

TESTED BY: Mrs.Nüßer / Ms.Theißen

DATE: 2015-12-29