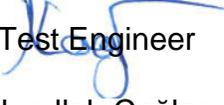


	<h1>Construction Check Report</h1>	File No.: 2020-035
		Report No.: draft
		Issue Date: 01-2020
		Issued by:
		Page: 1 of 7

Client	Bemis Teknik Elektrik A.Ş		
Manufacturer	Bemis Teknik Elektrik A.Ş / Bursa Organize San. Böl. Yeşil Cad. No:31 NİLÜFER / BURSA / TÜRKİYE		
Testing Laboratory	SGS Turkey E&E Laboratory		
Product description	ABS (Acrylonitrile Butadiene Styrene) Halogen Free PLASTICS		
Product model	See the model variations		
Serial No	-		
PO No.	N/A		
Service performed	Construction check	Sample quantity	1 type
Standards used	UL 94		
Clauses examined	50 W (20 mm) Vertical Burning Test; V-0 Halogen test		
CONCLUSION	<input checked="" type="checkbox"/> <b>Conformed</b> <input type="checkbox"/> <b>Not Conformed</b>		
REMARK	Please see the result tables		
COMMENT			
<small>Unless otherwise stated, the results shown in this document refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of the company.</small>			

Checked by  
  
Test Engineer  
Nurullah Çağlar

Reviewed by:  
  
Laboratory Manager  
Tümer Tımuçin



# Construction Check Report

File No.: 2020-035

Report No.: draft

Issue Date: 01-2020

Issued by:

Page: 2 of 7

**Summary of testing:** Vertical burning tests of UL 94

**Tests performed (name of test and test clause):**

UL 94's clauses,  
50 W (20 mm) Vertical Burning Test; V-0, V-1 or V-2  
Halogen test

**Testing location:**

SGS Turkey E&E Laboratory  
Baglar Mah. Osmanpasa Cad. No: 95 Is Istanbul  
Plaza E Girisi 34209 Gunesli Istanbul Turkey

**Summary of compliance with National Differences:** N/A

**Copy of marking plate:**N/A



# Construction Check Report

File No.: 2020-035

Report No.: draft

Issue Date: 01-2020

Issued by:

Page: 3 of 7

## Possible test case verdicts:

- test case does not apply to the test object ..... : N/A
- test object does meet the requirement ..... : P (Pass)
- test object does not meet the requirement ..... : F (Fail)

## Testing .....

Date of receipt of test item ..... : 03.01.2020

Date (s) of performance of tests ..... : 06.01.2020 - 14.01.2020

## General remarks:

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a comma (point) is used as the decimal separator.

This test report is issued under SGS general terms of delivery (available on request and accessible at [www.sgs.com](http://www.sgs.com)). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated: the results shown in this document refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior approval of SGS.

## General product information:

ABS (Acrylonitrile Butadiene Styrene) Halogen Free PLASTICS listed specifications at below table.

### Samples Details

Material	ABS (Acrylonitrile Butadiene Styrene) Halogen Free PLASTICS
Color	GREY
Density	1.10 g/m <sup>3</sup>
Thickness	3.0mm

### Table of test results:

	Sample 1		Sample 2		Sample 3	
flame front passed the 25 mm ?	Yes		Yes		Yes	
flame front passed the 100 mm ?	Yes		Yes		Yes	
If the flame front passed the 25 mm mark but ceased before the 100 mm mark, the damaged length, L and elapsed time, t.	Not cease	Not cease	Not cease	Not cease	Not cease	Not cease
If the flame front passed the 100 mm mark, the elapsed time t between the 25 mm and 100 mm marks.	160 s		166 s		165 s	
linear burning rate.	28,1 mm/min		33,9 mm/min		27,3 mm/min	
Verdict (material is HB ?)	F		F		F	

### Table of V-X test results:

	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
After flame time after first flame application, t1.	Flame not cease				
Afterflame time after second flame application, t2.	N/A	N/A	N/A	N/A	N/A
Afterglow time after second flame application, t3.	N/A	N/A	N/A	N/A	N/A
Whether or not specimens burn up to the holding clamp.	Yes	Yes	Yes	Yes	Yes
Whether or not specimens drip flaming particles that ignited the cotton indicator.	Not dripping manner, but Yes	Not dripping manner, but Yes	Not dripping manner, but Yes	Not dripping manner, but Yes	Not dripping manner, but Yes
Verdict (material class V-X?)	F	F	F	F	F



# Construction Check Report

File No.: 2020-035  
Report No.: draft  
Issue Date: 01-2020  
Issued by:  
Page: 5 of 7

## Halogen test

TEST	SAMPLE
HALOGEN CONTENT	Pass

HALOGEN CONTENT	RESULTS
Fluorine content (F)	Not detected
Chlorine content (Cl)	Not detected
Bromine content (Br)	Not detected
Iodine content (I)	Not detected

TEST	TEST METHOD	REPORTING LIMIT
HALOGEN (F, Cl, Br, I) CONTENT	REFERENCE BS EN 14582: 2016	50 ppm

TEST	SAMPLE	
Specific Optical Density of Smoke	Pass	
	NON-FLAMING	FLAMING
Ds @ 1.5 min. (average)	0.3	0.8
Ds @ 4.0 min. (average)	0.6	0.9
Dm (average)	6.3	75.8
Dm(corr) (average)	6.8	72.4

TEST	TEST METHOD	REPORTING LIMIT
Specific Optical Density of Smoke	ASTM E662-19	Ds1.5 min. 100
		Ds4 min. 200

**Models**

0V , Ip 44, -25/+60°C, Pde 15 W, Yalıtkan 5li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh1- 2000- 0000

0 V , Ip 66, -25/+60°C, Pde 15 W, Yalıtkan 5li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh1- 6000- 0000

0 V , Ip 44, -25/+60°C, Pde 20 W, Yalıtkan 7li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh5- 2000- 0000

0 V , Ip 66, -25/+60°C, Pde 20 W, Yalıtkan 7li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh5- 6000- 0000

400 V , Ip 44, -25/+60°C, Pde 12 W, Yalıtkan 10lu Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh2- 2000- 0000

400 V , Ip 66, -25/+60°C, Pde 12 W, Yalıtkan 10lu Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh2- 6000- 0000

400 V , Ip 44, -25/+60°C, Pde 25 W, Yalıtkan 12li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh6- 2000- 0000

400 V , Ip 66, -25/+60°C, Pde 25 W, Yalıtkan 12li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı : Bh6- 6000- 0000

400 V , Ip44 -25/+60c Pde 22w, Yalıtkan 17li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı Bh4 2000-0000

400v, Ip65 -25/+60c, Pde 22w Yalıtkan 17li Siva Üstü Kombinasyon Kutusu

Ürün Tip Referansı Bh4-6000-0000

### Photo Documentation

Details of view :	<input checked="" type="checkbox"/> general	<input type="checkbox"/> front	<input type="checkbox"/> rear	<input type="checkbox"/> right	<input type="checkbox"/> inside
-------------------	---	--------------------------------	-------------------------------	--------------------------------	---------------------------------

---End of the report---