

# NOTES:

## 1.MATERIAL:

HOUSING:PA66+30%G.F.,UL94V-0

CONTACT:PHOSPHOR BRONZE

## 2.FINISH:

CONTACT:TIN PLATED OVER NICKEL

## 3.SPECIFICATIONS:

### ELECTRICAL:

CONTACT CURRENT RATING:3AMPS

DIELECTRIC WITHSTANDING VOLTAGE:1000VAC MIN

INSULATION RESISTANCE:1000MΩ MIN

CONTACT RESISTANCE:30mΩ MAX

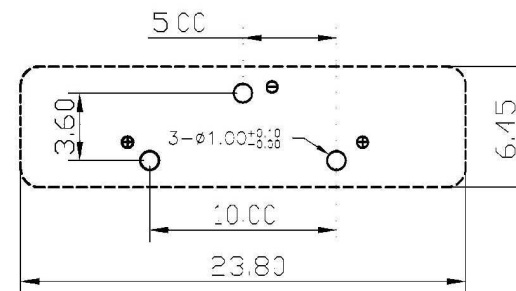
### PHYSICAL:

SOLDER ABILITY:235±5°C,95% COVERAGED

RESISTANCE TO WAVE SOLDERING HEAT:260±5°C,5SEC

### ENVIRONMENTAL:

OPERATING TEMPERATURE:-55°C~+105°C



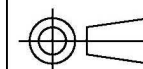
RECOMMENDED PCB LAYOUT  
TOLERANCE=±0.10

**RoHS COMPLIANT**

純通有限公司

DRAWN	BETA WANG	UNIT	mm
CHKD	WAYNE LI	SCALE	1:1
APPD	B-J LIN	DATE	2006.04.09

TOLERANCES:  
0 PLC ±0.35  
1 PLC ±0.30  
2 PLC ±0.20  
3 PLC ±0.13  
ANGLES ±3°



NAME:  
**BATTERY HOLDER  
STANDING TYPE**

DRAWING NO.

REVISION

A

**TORAY INDUSTRIES INC**  
2 NIHONBASHI-MUROMACHI 2-CHOME CHUO-KU TOKYO 103-0022 JAPAN

Material Designation: **CM3004-V0 (rg), 3004-V0(rg)**

Product Description: Polyamide 66 (PA66), designated "TORAY AMILAN" furnished as granular material.

Product Description: Polyamide 66 (PA66), Designator: 1000									
Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
BN	0.38	V-0	-	-	65	65	65	-	-
	0.66	V-0	4	0	130	65	65	-	-
	1.5	V-0	3	0	130	65	65	-	-
	3.0	V-0	2	0	130	65	65	-	-
CTI: 0		HVTR: 0		D495: 5		IEC Ball Pressure (°C): -			
Dielectric Strength (kV/mm): 28		Volume Resistivity (10 <sup>9</sup> ohm-cm): 13				Dimensional Stability(%): 0.0			
ISO Tensile Strength (MPa): -		ISO Flexural Strength (MPa): -				ISO Heat Deflection (°C): -			
ISO Tensile Impact (kJ/m <sup>2</sup> ): -		ISO Izod Impact (kJ/m <sup>2</sup> ): -				ISO Charpy Impact (kJ/m <sup>2</sup> ): -			

(rg) Virgin and regrind up to 70% by weight inclusive have the same basic material characteristics except for the following: regrind 26-70% by weight inclusive may only be used within the 65 C generic RTI.

NOTE Nylon grade may be prefixed with letters CM and may employ hyphens in various locations.

Report Date: 7/28/2000

Underwriters Laboratories Inc®

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.



# REPORT OF MATERIAL TEST

怡程金属(深圳)有限公司

地址: 深圳市龙岗区坪山镇深圳出口加工区台商工业园区B栋1F

TEL: 0755-8463-7175 -7 FAX: 0755-8463-7189

DATE: FEB 3, 05

Customer:	Commodity: C 5191 R PHOSPHOR BRONZE STRIP (H)	
Applied Standard: CNS 9503 Phosphor Bronze Sheets, Plates and Strips		

Chemical Analysis Test									
I/No.	Size of Product			P(%) 0.030 - 0.350	Sn(%) 5.50 - 7.00	Cu+Sn+P(%) min. 99.50			
	Thickness (mm)	Width (mm)	Length (mm)						
	Standard								
1	0.25	305		0.128	6.019	99.988			

Mechanical & Physical Test										
I/ No.	Size of Product			Dimension Test		Tension Test		Hardness Test HV	Grain Size (mm)	Electric Conductivity (%)
	Thickness (mm)	Width (mm)	Length (mm)	Thickness (mm)	Width (mm)	Tensile Strength (kgf/mm <sup>2</sup> )	Elongation (%)			
	Standard			-	-0.10 - (+) 0.04	60-70				
1	0.25	305		GOOD.	GOOD.	62.41	15.26	190-210	-	13.3

QC Supervisor: 刘红



# Survey Report

No. : CS/2007/60076

Date : 2007/07/05

Page : 1 of 3

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3F, NO. 210, TA-TUNG RD., SEC. 3, HSIJR CITY, TAIPEI COUNTY,  
TAIWAN




The following test reports/information were submitted and identified by the client as :

Sample Description : BATTERY HOLDER SERIES  
Style/Item No. : 16 SERIES  
Testing Period : 2007/01/08 TO 2007/02/09

Test Result(s) : Please refer to next page(s).

\* This report is combined with reports of CE/2007/11717, CE/2007/21103 and GZ0701004460/CHEM \*

  
Daniel Yeh, M.R. / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



# Survey Report

No. : CS/2007/60076

Date : 2007/07/05

Page : 2 of 3

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## Test Result(s)

PART NAME NO.1 : WHITE PLASTIC PELLETS (CE/2007/11717)  
PART NAME NO.2 : BLACK PLASTIC PELLETS (CE/2007/21103)  
PART NAME NO.3 : COPPER-COLORED METAL SHEET (GZ0701004460/CHEM)

Test Item(s):	Unit	Method	MDL	Result		
				NO.1	NO.2	NO.3
Monobromobiphenyl	mg/kg	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	5	n.d.	n.d.	---
Dibromobiphenyl	mg/kg		5	n.d.	n.d.	---
Tribromobiphenyl	mg/kg		5	n.d.	n.d.	---
Tetrabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Pentabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Hexabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Heptabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Octabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Nonabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Decabromobiphenyl	mg/kg		5	n.d.	n.d.	---
Sum of PBBs	mg/kg		-	n.d.	n.d.	---
Monobromobiphenyl ether	mg/kg	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	5	n.d.	n.d.	---
Dibromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Tribromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Tetrabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Pentabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Hexabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Heptabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Octabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Nonabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Decabromobiphenyl ether	mg/kg		5	n.d.	n.d.	---
Sum of PBDEs (Mono to Deca)	mg/kg		-	n.d.	n.d.	---
Sum of PBDEs (Mono to Nona) (Note 4)	mg/kg		-	n.d.	n.d.	---

Test Item(s):	Unit	Method	MDL	Result		
				NO.1	NO.2	NO.3
Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.	2	n.d.	n.d.	---
Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	**	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for metallic samples by Spot test / Colorimetric Method.	0.02mg/kg with 50 cm <sup>2</sup> surface area	---	---	Negative



# Survey Report

No. : CS/2007/60076 Date : 2007/07/05

Page : 3 of 3

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Test Item(s):	Unit	Method	MDL	Result		
				NO.1	NO.2	NO.3
Cadmium (Cd)	mg/kg	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Cadmium by ICP-AES.	2	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Mercury by ICP-AES.	2	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Lead by ICP-AES.	2	n.d.	n.d.	22

Note : 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. According to 2005/717/EC DecaBDE is exempt.

5. Spot-test:

Negative = Absence of Cr(VI) coating / surface layer,

Positive = Presence of Cr(VI) coating / surface layer;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of Cr(VI) coating / surface layer.

Positive = Presence of Cr(VI) coating / surface layer;

the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.

6. "---" = Not Conducted

7. " - " = Not Regulated

8. \*\* = Qualitative analysis (No Unit)

\*\* End of Report \*\*