



PRODUCT SPECIFICATION OF OUPIIN

PRODUCT SPECIFICATION

(產品規格書)

產品名稱 Description	產品料號 Part No.	圖號 Drawing No.
DP Series Plastic Hood	DP-09YB	DP00D00001

PRODUCT NAME (產品名稱)	DOCUMENT No.: (文件編號)	Rev. (版本)	OUPIIN
DP Series Plastic Hood	DPspec	B(I741)	(歐品)
	Approved (核準)	Checked (審核)	Prepared (製作)
	Q.A. Section Chief	Allen Chiu	2018/10/18



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1. SCOPE (範圍)

This product specification defines the product performance and the test methods to ascertain the performance of the DP Series Plastic Hood, which is designed and manufactured by Oupiin Electronic Co.,Ltd.

(本產品規格書規定了由歐品電子有限公司生產的 DP Series Plastic Hood 型連接器,產品的特性及測試方法.)

2. REFERENCE DOCUMENTS (參考文件)

MIL-STD-1344A Test method for electrical connector
(電子連接器測試方法)

MIL-STD-202F Test method for electrical components
(電子零件測試方法)

3. FEATURE & DIMENSIONS (特徵及尺寸)

3.1. PRODUCT DIMENSION (產品尺寸)

These connectors shall have the dimensions as shown in drawing.

(本產品的相關尺寸參考圖面.)

3.2. PCB/PANEL LAYOUT (印刷電路板佈局)

The recommended PCB layout is shown in drawing.

(本產品適用的 PCB layout 參考圖面.)

3.3. BILL OF MATERIAL (材料清單)

Harmful material control follow the requirement of RoHS. The bill of material and product number is described in drawing.

(有害物質控制符合RoHS指令要求.本產品使用的材料參考附件.)

3.4. MECHANICAL & ELECTRICAL CHARACTERISTIC (機械及電氣特性)

The connector shall have the mechanical and electrical performance as described in drawing.

(本產品的機械及電氣特性見圖面：)

3.5. PACKAGING (包裝)

Products shall be packaged according to requirements specified in purchase order for safe delivery, connector container and the packaging method are shown in package specification.

(產品可依客戶指定要求包裝，包裝材料與包裝方式參見產品包裝規範。)

---採用 Bulk Package / Individual Package 包裝



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3.6 OPERATING AND STORAGE TEMPERATURE 操作與儲存溫度

Operating Temperature : 0°C~+75°C, 操作溫度範圍

4. ENVIRONMENTAL (環境要求)

4.1. SOLDERABILITY (可焊性)

Connectors meet solder ability to MIL-STD-202F. Finish shall be free of contaminants.
(產品可焊性符合 MIL-STD-202F 標準規定的相關要求，表面不得有污染物.)

4.2. RESISTANCE TO SOLDER HEAT (耐焊接熱) -NA(不適用)

5. PERFORMANCE AND TEST DESCRIPTION (性能及測試)

5.1. REQUIREMENT (要求)

Product is designed to meet electrical, mechanical, and environmental performance requirements specified in **Table I**.
(本產品設計符合附表一所列的機械，電氣及環境要求.)

5.2. TEST CONDITION (測試條件)

Unless otherwise specified, all tests shall be performed at ambient environmental conditions.
(除非特別注明，所有測試在室溫條件下完成；)

5.3. SAMPLE SELECTION (樣品選擇)

Test samples shall be selected at random from current production. No test samples shall be reused. Samples are pre-conditioned with 10cycles of durability. Each group shall be containing 5 test samples.
(測試樣品從現生產的產品中隨機抽取，所有測試過的樣品不得重複使用。樣品已預先插拔10次，每組測試有5個樣品；)



PRODUCT SPECIFICATION OF OUPIIN

Material Housing : 021-ABS

[SGS Test Report Click here](#) 如需 SGS 測試報告請點選此處

Housing Plating : 021-1-ABS

[SGS Test Report Click here](#) 如需 SGS 測試報告請點選此處



CHI MEI CORPORATION

59-1 SAN CHIA, JEN TE, TAINAN COUNTY, TAIWAN R.O.C. TEL: 886-6-266-5000, FAX: 886-6-266-5555-7

泛用級 ABS, POLYLAC[®] PA-707

V1W

材料特性

特性(Properties)	測試方法(Test Method)	測試條件(Test Condition)	單位(Unit)	PA-707
引張強度 Tensile Strength	ASTM D638	1/8 .6 mm/min	Kg/cm ² (lb/in ²)	500(7090)
延伸率 Tensile Elongation	ASTM D638	1/8 .6 mm/min	%	15
彎曲強度 Flexural Strength	ASTM D790	1/4 .2.8 mm/min	Kg/cm ² (lb/in ²)	860(12200)
彎曲彈性率 Flexural Modulus	ASTM D790	1/4 .2.8 mm/min	Kg/cm ² (lb/in ²)	29000(410000)
IZOD 衝擊強度 Izod Impact Strength	ASTM D256(Notched)	1/4 .23°C 1/8 .23°C	Kg-cm/cm(ft-lb/in) Kg-cm/cm(ft-lb/in)	14(2.6) 14(2.6)
流動係數 Melt Flow Index	ASTM D1238	200°C , 5Kg	g/10min	1.9
硬度 Hardness	ASTM D785	1/2	R Scale	116
比重 Specific Gravity	ASTM D792	23°C	-	1.06
軟化點 Vicat Softening Temp.	ASTM D1525	1/8 .50°C /hr	°C (°F)	105(221)
熱變形溫度 H.D.T Annealed(85°C , 8hr) Unannealed	ASTM D648	1/4 .120°C /hr	°C (°F)	99(210) 88(190)
燃燒率 Flammability	UL 94	-	-	1/16 HB

以上數據僅代表一般通用數據，不代表每一產品的規格值

若有任何疑問請洽產品推廣課 06-2665000, 06-2663000



PRODUCT SPECIFICATION OF OUPIIN

Material Housing :UL

QMFZ2 Component - Plastics

Friday, October 24, 2003

E56070

CHI MEI CORPORATION

59-1 SAN CHIA JEN TE TAINAN HSIEN TAIWAN

Material Designation: **PA-707 (+)**

Product Description: Acrylonitrile Butadiene Styrene (ABS), designated "Polylac" furnished as pellets.

Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
ALL	1.5	HB	4	0	60	60	60	-	-
	3.0	HB	4	0	60	60	60	-	-
CTI: 0	IEC CTI: -	HVTR: 2			D495: 6			IEC Ball Pressure (°C) -	

Dielectric Strength (kV/mm): -
ISO Tensile Strength (MPa): -
ISO Tensile Impact (kJ/m²): -

Volume Resistivity (10⁹ohm-cm): -
ISO Flexural Strength (MPa): -
ISO Izod Impact (kJ/m²): -

Dimensional Stability(%): -
ISO Heat Deflection (°C): -
ISO Charpy Impact (kJ/m²): -

(+) Optional prefix or suffix may be used to denote 0-0.5% acid scavengers.

Report Date: 6/23/1983

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.



PRODUCT SPECIFICATION OF OUPIIN

Material Accessory : Copper Alloy (Screw)

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)

元祥金屬工業股份有限公司
 YUANG-HSIAN METAL INDUSTRIAL CORP.
 彰化市50042彰水路175號
 175, CHANG SHOEI ROAD, CHANG HUA TAIWAN R.O.C.
 TEL : (04)7524626-8 FAX : 886-4-7611717

試驗報告表

廠商名稱						日期：2009年08月13日
試材名稱	銅合金 (Copper Alloys)	合金編號	C3604BD	試材編號		
化學試驗 (Chemical Testing)						
試驗方法	X-線光譜分析法					
使用儀器名稱	X光電腦分析儀 (VACUUM X RAY SPECTROGRAPH)					
元素名稱	標準含量(%)	試片含量(%)	元素名稱	標準含量(%)	試片含量(%)	
銅 (Cu)	57.0-61.0	58.8	鐵 (Fe)	< 0.5	0.3	
鋅 (Zn)	REM	REM	矽 (Si)	——	——	
錫 (Sn)	Fe+Sn<1.2	0.3	錳 (Mn)	——	——	
鉛 (Pb)	1.8-3.7	3.4	銻 (Sb)	——	——	
鎳 (Ni)	——	——	鋁 (Al)	——	——	
磷 (P)	——	——	其他(Others)	——	——	
備註	DIA. 5.0 mm					
分析員	蔡聰銘		主管	張國桐		





PRODUCT SPECIFICATION OF OUPIIN

Material Actuator : Matel (SPCC)

[SGS Test Report Click here](#)

[如需 SGS 測試報告請點選此處](#)



品質證明書 TEST CERTIFICATE

中國鋼鐵股份有限公司
CHINA STEEL CORPORATION
中華民國高雄市小港區中鋼路1號
1 CHUNG KANG ROAD HSIAO KANG, KAOSHUNG (812)
TAIWAN, REPUBLIC OF CHINA

TEL: (07)802-1111 FAX: (07)802-2511 (07)801-9427
F0061-01 COMPANY REGISTRATION NUMBER: 30414175 0080

客戶名稱 SOLD TO	春源鋼鐵工業股份有限公司 CHUN YUAN STEEL INDUSTRY CO., LTD.	產品名稱 PRODUCT	CR SHEET-COIL
規格名稱 SPEC.	JIS G3141 SPCC-SD, OILED. (CQ2, UE)	發票號碼 INVOICE NO.	MW10599142
檢驗 INSP.	R-35 CSC MILL INSPECTION	證明書編號 CERTIFICATE NO.	990515F0061
	T/C 01	客戶編號 CUSTOMER NO.	11529802
		交運日期 SHIPPING DATE	MAY. 14, 2010
		證明書日期 T/C ISSUE DATE	MAY. 15, 2010
		客戶訂單編號 CUST. ORDER NO.	

項目 ITEM NO.	產品序號 LABEL NO.	尺寸 MATERIAL DESCRIPTION						爐號 HEAT NO.	鋼捲號碼 COIL NO.	試片編號 SAMPLE ID.	拉伸試驗 G.L.=50 mm Y.S. T.S. EL			化學成份 CHEMICAL ANALYSIS %								備註 REMARK							
		厚度 THICK.	寬度 WIDTH	長度 LENGTH	數量 PCS	質量 MASS	重量 KGS				降伏 MPa	抗拉 MPa	伸長 %	C	Mn	P	S	Si	Cu	Ni	Cr		Mo	Al					
001	F123076	0.40	1219	COLL	1	10.125	M88	1117515	1117515	203	35343.1	43	4.1	25	14	5	3												
	F123077	"	"	"	1	9.965	M88	1117515	1117515	203	35343.1	43																	
	F518530	"	"	"	1	9.54	A331	1116544	1116544	170	33642.7	43	50	31	15	7	1												
	F518531	"	"	"	1	9.54	A331	1116544	1116544	170	33642.7	43																	
003	F123034	1.48	1219	COLL	1	9.955	MR64	1117283	1117283	163	29751.1	40	2.2	22	12	14	1												
	F123035	"	"	"	1	9.51	MR64	1117283	1117283	163	29751.1	40																	
	F123036	"	"	"	1	9.99	RV59	1117518	1117518	154	29350.9	38	2.5	21	13	7	1												
004	F518492	1.58	1219	COLL	1	10.14	MR64	1117282	1117282	152	28853.9	36	2.2	22	12	14	1												
	F518493	"	"	"	1	9.95	MR64	1117282	1117282	152	28853.9	36																	
	F518702	"	"	"	1	10.07	MR64	1117458	1117458	157	29152.3	37	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	F518703	"	"	"	1	9.835	MR64	1117458	1117458	157	29152.3	37	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	F518713	"	"	"	1	9.92	MR64	1117284	1117284	157	29350.3	38	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
						TOTAL:	12118.545																						



注釋 NOTES	*01 拉伸試驗 *05 硬度試驗	TENSILE TEST HARDNESS TEST	1MPa = 1N/mm2
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茲證明本表所列產品，均依材料規格製造及試驗，並符合規格之要求。
WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

Seng-Jung Chun for
冶金技術處處長
GENERAL MANAGER, METALLURGICAL DEPARTMENT