



財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111171

Date Issued: 2009/07/07

Applicant: JD Auspice Co., Ltd.

Address: 2F-5, No. 7, Lane 43, Shuangcheng St.,
Zhongshan District, Taipei City, 10461,
Taiwan, R.O.C.

Articles: Perforated GRP Cable Tray / ladder

PIDC

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Authorized by

Chen Ming-Kim
Group Leader





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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J11.1171

Date Tested : 2009/06/25~2009/06/26

Item(s)/ Method(s)	Result(s)	Note
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1. Glass Fiber Content
CNS 12777

54.1 %

REMARK :

1. Glass Fiber Content

1.1 Specimen Mean Weight: 4.6215 g
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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J-11172

Date Issued: 2009/07/22

Applicant: JD Auspise Co., Ltd.

Address: 2F-5, No.7, Lane 43, Shuangcheng St.,
Zhongshan District, Taipei City, 10461,
Taiwan, R.O.C.

Articles: Perforated GRP Cable Tray / ladder

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Group Leader





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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111F72

Date Tested : 2009/07/20

Item(s)/ Method(s)	Result(s)	Note																								
1. Flexural Test ISO 178	<table><thead><tr><th></th><th>Flexural Strength (kgf/cm²)</th></tr></thead><tbody><tr><td>#1</td><td>3720</td></tr><tr><td>#2</td><td>427</td></tr><tr><td>#3</td><td>3640</td></tr><tr><td>#4</td><td>351</td></tr><tr><td>#5</td><td>779</td></tr><tr><td>#6</td><td>756</td></tr><tr><td>#7</td><td>4400</td></tr><tr><td>#8</td><td>4180</td></tr><tr><td>#9</td><td>4130</td></tr><tr><td>#10</td><td>3890</td></tr><tr><td colspan="2">Mean: 2630 kgf/cm²</td></tr></tbody></table>		Flexural Strength (kgf/cm ²)	#1	3720	#2	427	#3	3640	#4	351	#5	779	#6	756	#7	4400	#8	4180	#9	4130	#10	3890	Mean: 2630 kgf/cm ²		
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財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111172

Date Tested : 2009/07/20

Item(s)/ Method(s)	Result(s)	Note
REMARK :		
Specimen Preparation Method: Provided by Customer		
Conditioning - temperature: 23 ± 2 °C		
Conditioning - relative humidity: 50 ± 5 %		
Conditioning - time: over 88 hrs		
Experimental Condition - temperature: 23 ± 2 °C		
Experimental Condition - relative humidity: 50 ± 5 %		
1. Flexural Test		
1.1 Test speed: 2 mm/min		
1.2 Specimen Mean Width: 10.76 mm		
1.3 Specimen Mean Thickness: 4.22 mm		
1.4 Support Span: 51 mm		
1.5 Direction: MD		
2. Flexural Test		
2.1 Test speed: 2 mm/min		
2.2 Specimen Mean Width: 11.05 mm		
2.3 Specimen Mean Thickness: 3.23 mm		
2.4 Support Span: 51 mm		
2.5 Direction: TD		
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Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111109

Date Issued: 2009/07/06

Applicant: JD Auspice Co., Ltd.

Address: 2F-5, No.7, Lane 43, Shuangcheng St.,
Zhongshan District, Taipei City, 10461,
Taiwan, R.O.C.

Articles: Perforated GRP Cable Tray / ladder

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Authorized by

Chen Mong-Kun
Chen Mong-Kun
Group Leader



40702 台北市工業路58路93號
No.38-193 Rd., Taichung Industrial
Park, Taichung, Taiwan, R.O.C.

<http://www.pidc.org.tw>
TEL: (04)2595-5906
FAX: (04)2595-5855



Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111169

Date Tested : 2009/06/29-2009/07/03

Item(s)/ Method(s)	Result(s)	Note
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1. UV Exposure Test
ASTM G154

Yellowing phenomenon on the sample surface is observed
with the naked eye after test.

REMARK :

1. UV Exposure Test
 - 1.1 Specimen Preparation Method: Provided by Customer
 - 1.2 Lamp: UVA 340 nm
 - 1.3 Irradiance: 0.80 W/m²
 - 1.4 UV Exposure time: 8 hrs
 - 1.5 UV Exposure temperature: 60±3 °C
 - 1.6 Condensation Exposure time: 4 hrs
 - 1.7 Condensation Exposure temperature: 50±3 °C
 - 1.8 Test Time: 100 hrs
 - 1.9 Specimen see attached photo 1
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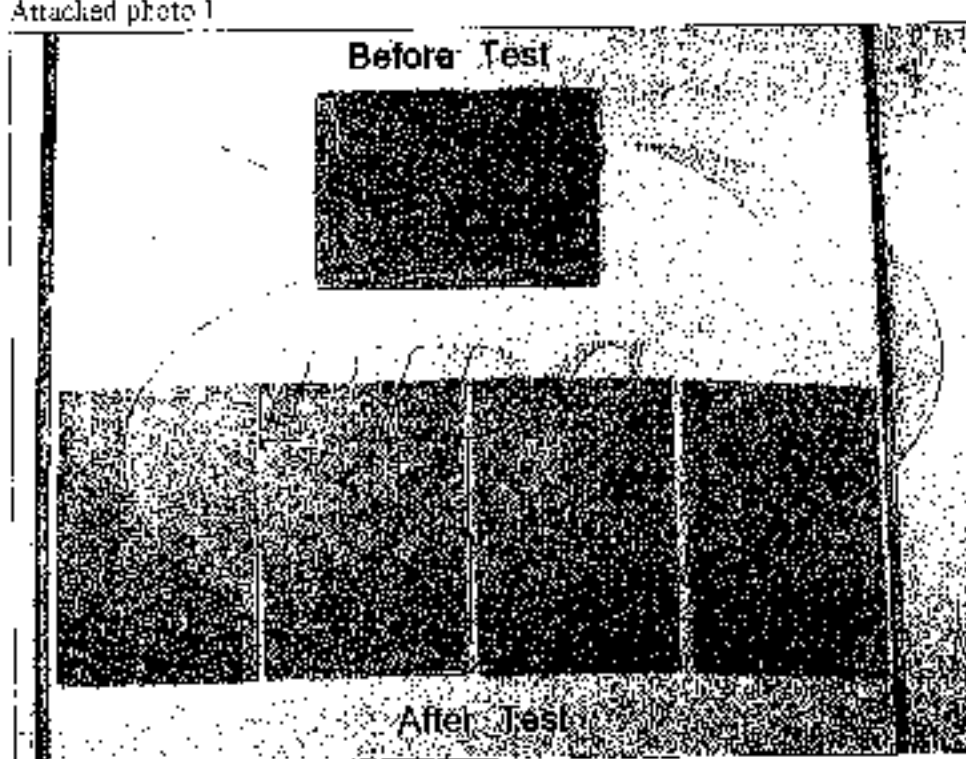
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法人
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J11169

Date Tested : 2009/06/29~2009/07/03

Attached photo 1





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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111168

Date Issued: 2009/07/03

Applicant: JD Auspice Co., Ltd.

Address: 2F-5, No.7, Lane 43, Shuangcheng St.,
Zhongshan District, Taipei City, 10461,
Taiwan, R.O.C.

Articles: Perforated GRP Cable Tray / Ladder

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Authorized by


Scott Liao
Group Leader



40661 台中市工業區38路193號

No. 38, 193 Rd, Taichung Industrial
Park, Taichung, Taiwan, R.O.C.

<http://www.pidc.org.tw>

TEL: (04)2255-5800
FAX: (04)2255-5855



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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No : C98A011-J111168

Date Tested : 2009/07/01

Item(s)/ Method(s)	Result(s)			Note
1. Glow Wire Flammability Test CNS 14545-5	Test Temperature (°C)	Time to ignition after removal of the glow-wire (sec)	Whether Ignited the wrapping tissue (Yes/No)	
#1	960	1	No	
#2	960	2	No	
#3	960		No	
GWFI: 960 / 2.94				
Comment: Meet requirement of the CNS 14545-5				

REMARK :

1. Glow Wire Flammability Test
 - 1.1 Specimen Preparation Method: Provided by Customer
 - 1.2 Conditioning - temperature: 23±2 °C
 - 1.3 Conditioning - relative humidity: 50±5 %
 - 1.4 Conditioning - time: 24 hrs

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Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111167

Date Issued: 2009/07/07

Applicant: JD Auspice Co., Ltd.

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Articles: Perforated GRP Cable Tray / ladder

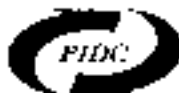
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Group Leader





Verification Testing Laboratory Analysis/Test Report

Application No. 098A011-J111167

Date Tested: 2009/07/06

Item(s)/ Method(s)	Result(s)	Note
1 Oxygen Index ASTM D2863	37.7%	
REMARK :		
1. Oxygen Index		
1.1 Specimen Preparation Method / Provided by Customer		
1.2 Conditioning - temperature: 23±2 °C		
1.3 Conditioning - relative humidity: 50±5 %		
1.4 Conditioning - time over 40 hrs		
1.5 Test specimen Type: A		
1.6 Specimen Mean Length: 151.25 mm		
1.7 Specimen Mean Width: 6.96 mm		
1.8 Specimen Mean Thickness: 2.91 mm		
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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: C96A011-J111166

Date Issued: 2009/07/07

Applicant: JD Auspice Co., Ltd.

Address: 2F-5, No.7, Lane 43, Shuangcheng St.,
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Articles: Perforated GRP Cable Tray / ladder

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Chen Ming-Kun
Group Leader





Verification Testing Laboratory Analysis/Test Report

Application No : C98A011-J111166

Date Tested : 2009/07/02

Item(s)/ Method(s)	Result(s)					Note
1. Vertical Burning Test CNS 14535		Afterflame Time t1 (sec)	Afterflame Time t2 (sec)	Afterglow Time t3 (sec)	Whether Ignited the cotton (Yes/No)	whether burn up to the holding clamp (Yes/No)
	#1	1.5	0	4.1	No	No
	#2	0	0	1.8	No	No
	#3	1.1	0	3.0	No	No
	#4	3.9	0	5.8	No	No
	#5	1.0	0	2.3	No	No
Comment: Meet requirement of the CNS 14535 V0						

REMARK :

1. Vertical Burning Test

1.1 Specimen Preparation Method: Provided by Customer

1.2 Specimen Mean Length: 125.85 mm

1.3 Specimen Mean Width: 13.25 mm

1.4 Specimen Mean Thickness: 2.92 mm

1.5 All specimens are through condition: temperature $23 \pm 2^\circ\text{C}$, relative humidity 65-5%, 48hrs to test only, so as to get test results, which are identified.

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Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011 J11170

Date Issued: 2009/07/03

Applicant : JD Auspice Co.,Ltd.

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Zhongshan District, Taipei City, 10461,
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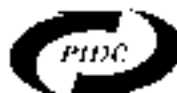
Articles : Perforated GRP Cable Tray / ladder

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Scott Liao
Group Leader





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Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111170

Date Tested : 2009/06/30

Item(s)/ Method(s)	Result(s)	Note
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1. Dielectric Strength
ASIM D149

250 kV/mm

REMARK :

1. Dielectric Strength

1.1 Specimen Preparation Method / Provided by Customer

1.2 Surrounding medium: Insulating oil

1.3 Specimen Meas/Thickness: 3.0 mm

1.4 This result is tested by Nan Ya Plastics Corporation.

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財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

驗證檢測實驗室 委託試驗報告

收件日期：2009年06月23日

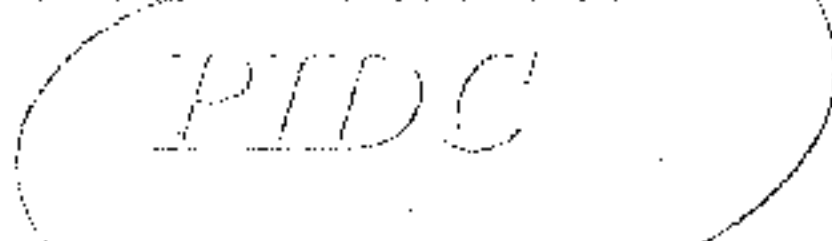
報告編號：09SA011 J111174

發行日期：2009年07月13日

委託單位：拉曼科技有限公司

單位地址：104台北市中山區雙城街43巷
7號2樓之5

物品名稱：玻璃纖維密閉式沖孔型線槽/架



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報告簽署人：

授權簽發：





驗證檢測實驗室 委託試驗報告

報告編號： 098AC11-J111174

試驗日期： 2009年07月07日

試驗項目/方法

試驗結果

標記

1. 煙毒試驗
NES 713

燃燒後產生氣體	濃度(ppm)
Carbon dioxide(CO ₂)	1000
Carbon monoxide(CO)	20
Hydrogen sulphides(H ₂ S)	0
Ammonia(NH ₃)	0
Formaldehyde(HCHO)	0
Hydrogen chloride(HCl)	0
Acrylonitrile(CH ₂ CHCN)	0
Sulphur dioxide(SO ₂)	0
Nitrogen oxides(NO _x)	0
Phenol(C ₆ H ₅ OH)	0
Hydrogen cyanide(HCN)	0
Hydrogen fluoride(HF)	0
Phosgene(COCl ₂)	0

毒性指數：0.012

備註：

1. 煙毒試驗

1.1 試片製作方式：廠商提供

1.2 火焰燃燒溫度：1150-50℃

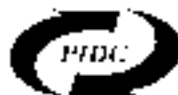
1.3 燃燒箱體積：0.7 m³

1.4 燃燒時間：1 分鐘

1.5 試片重量：1.1511 g

1.6 本試驗係由中研科學研究院代為測試

(以下空白)



財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 993A011-J111173

Date Issued: 2009/07/22

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Chen Ming-Kim
Group Leader



40968 台北市工業區25巷193號
No. 193, 25 Rd., Taichung Industrial
Park, Taichung, Taiwan, R.O.C.

<http://www.pidc.org.tw>
TEL: (04)2359-5955
FAX: (04)2359-3855



Verification Testing Laboratory Analysis/Test Report

Application No. 098A011-J111173

Date Tested: 2009/07/20

Item(s)/ Method(s)	Result(s)			Note
1 Impact Strength Test ISO 180	Impact Strength (kgf.cm/cm)	Specimen Width (mm)	Depth remaining under the notch(mm)	Break type
	#1 61	3.33	8.13	N
	#2 121	3.32	8.09	N
	#3 130	3.38	8.08	N
	#4 99.6	3.59	8.14	N
	#5 164	3.33	8.13	N
	#6 343	3.21	8.11	N
	#7 249	3.21	8.10	N
	#8 290	3.33	8.10	N
	#9 111	3.43	8.11	N
	#10 212	3.21	8.04	N
Mean: 179 kgf.cm/cm				



Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111173

Date Tested : 2009/07/20

Item(s)/ Method(s)	Result(s)	Note
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2. Impact Strength Test
ISO 180

	Impact Strength (kgf.cm/cm)	Specimen Width (mm)	Depth remaining under the notch(mm)	Break type
#1	151	3.22	8.03	N
#2	185	3.22	8.05	N
#3	178	3.22	8.08	N
#4	193	3.22	8.10	N
#5	18.0	3.22	8.13	P
#6	208	3.22	8.13	N
#7	240	3.22	8.18	N
#8	23.7	3.22	8.63	P
#9	221	3.22	8.10	N
#10	16.5	3.24	7.99	P

Break type-P Mean: 19.5 kgf.cm/cm

Break type-N Mean: 197 kgf.cm/cm

REMARK :

Specimen Preparation Method: Provided by Customer

Specimen Condition - temperature: 23±2°C

Specimen Condition - relative humidity: 50±5%

Specimen Condition -time :over 16 hrs

Experimental Conditions - temperature: 23±2°C

Experimental Condition - relative humidity: 50±5%

Test Method: Method A

Test temperature: 23±2°C



財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Application No. 098A311-J111173

Date Tested : 2009/3/20

Item(s)/ Method(s)	Result(s)	Note
REMARK :		
1. Impact Strength Test		
1.1 Release Energy: 10.840 J		
1.2 Specimen Mean Thickness: 9.95 mm		
1.3 Specimen type: 1A		
1.4 Break type: N (Non-Break)		
1.5 The break type is non-break. The above data are only for reference.		
1.6 Direction: MD		
2. Impact Strength Test		
2.1 Release Energy: 10.840 J		
2.2 Specimen Mean Thickness: 10.18 mm		
2.3 Specimen type: 1A		
2.4 Break type: P (Partial Break); N (Non-Break)		
2.5 The break type is non-break. The above data are only for reference.		
2.6 Direction: TD		
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