



# 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, Shaungcheng St.,  
Zhongshan District, Taipei City, 10461,  
Taiwan, R.O.C

Articles: Perforated GRP Cable Tray / ladder

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Authorized by

Chen Ming-Kun  
Group Leader





# Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111171

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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# Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111172

Date Issued: 2009/07/22

Applicant : JD Auspice Co.,Ltd.

Address : 2F-5, No.7, Lane,43, Shaungcheng St.,  
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Application No : 098A011-J111172

Date Tested : 2009/07/20

Item(s)/ Method(s)	Result(s)	Note
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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: 3.22 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-J111169

Date Issued: 2009/07/06

Applicant : JD Auspice Co.,Ltd.

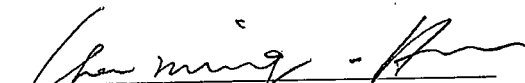
Address : 2F-5, No.7, Lane 43, Shaungcheng St.,  
Zhongshan District, Taipei City, 10461,  
Taiwan, R.O.C

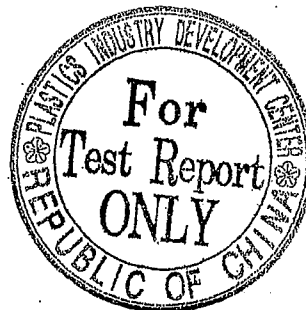
Articles : Perforated GRP Cable Tray / ladder

PIDC

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Group Leader





# 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
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: 0.89 W/m<sup>2</sup>
  - 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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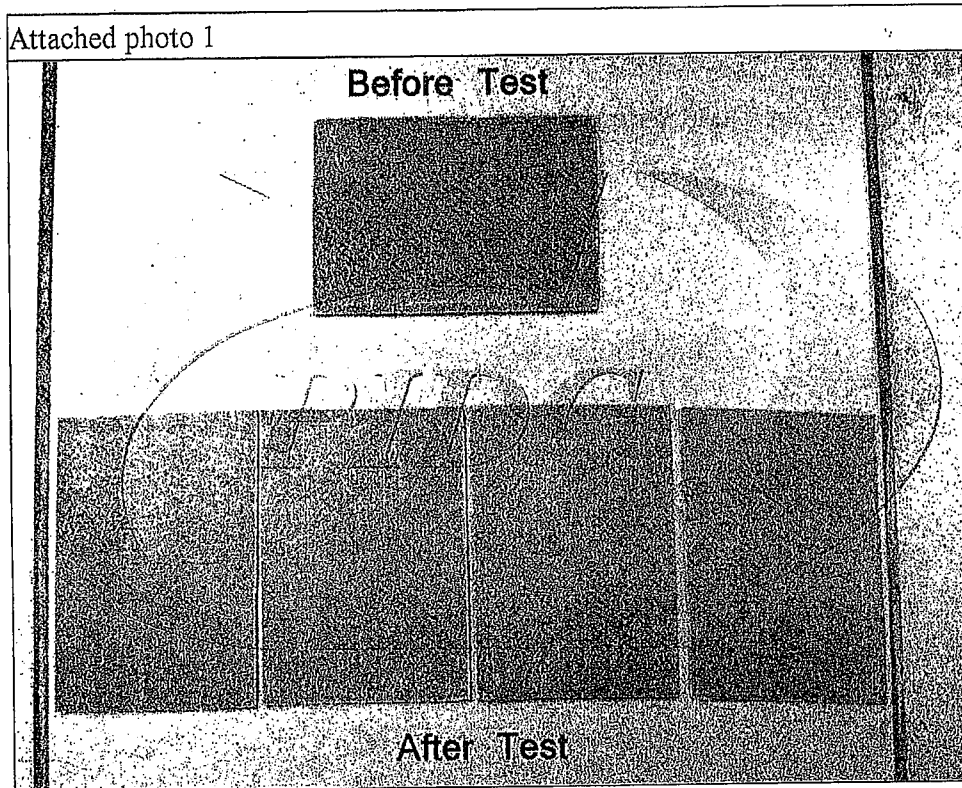


# Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111169

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

Attached photo 1







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

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Scott Liao  
Group Leader





# Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-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	1	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
- <Blank Below>



# Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111167

Date Issued: 2009/07/07

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Articles : Perforated GRP Cable Tray / ladder

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# Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-J111167

Date Tested : 2009/07/06

Item(s)/ Method(s)	Result(s)	Note
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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: 151.26 mm
  - 1.7 Specimen Mean Width: 6.96 mm
  - 1.8 Specimen Mean Thickness: 2.91 mm

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# Verification Testing Laboratory Analysis/Test Report

Date Received: 2009/06/23

Assignment No: 098A011-J111166

Date Issued: 2009/07/07

Applicant : JD Auspice Co.,Ltd.

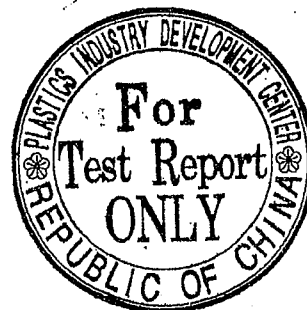
Address: 2F-5, No.7, Lane 43, Shaungcheng St.,  
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Articles : Perforated GRP Cable Tray / ladder

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# Verification Testing Laboratory Analysis/Test Report

Application No : 098A011-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	1.0	0	1.8	No	No
#3	1.1	0	3.0	No	No
#4	0.9	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±2°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-J111170

Date Issued: 2009/07/03

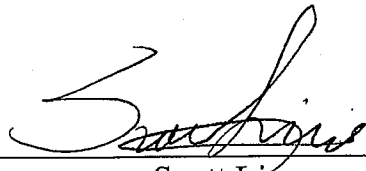
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Articles : Perforated GRP Cable Tray / ladder

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\_\_\_\_\_  
Scott Liao  
Group Leader





# 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  
 ASTM D149

259 kV/in

REMARK :

- 1. Dielectric Strength
  - 1.1 Specimen Preparation Method: Provided by Customer
  - 1.2 Surrounding medium: Insulating oil
  - 1.3 Specimen Mean Thickness: 3.0 mm
  - 1.4 This result is tested by Nan Ya Plastics Corporation.

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# 驗證檢測實驗室 委託試驗報告

收件日期： 2009年06月23日

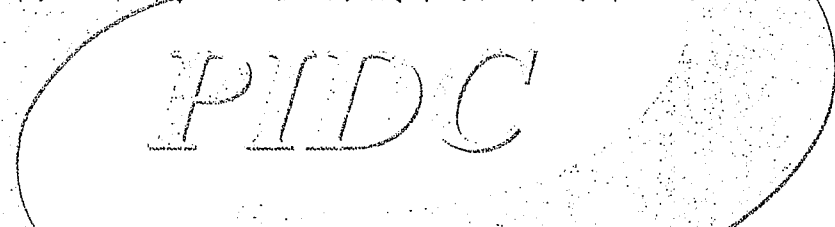
報告編號： 098A011-J111174

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



注意事項：

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- 二、本報告所記載事項僅作為參考資料，不得作為廣告、出版物等商業宣傳推銷之用。
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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： 098A011-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 <sub>2</sub> )	1000
Carbon monoxide(CO)	20
Hydrogen-sulphides(H <sub>2</sub> S)	0
Ammonia(NH <sub>3</sub> )	0
Formaldehyde(HCHO)	0
Hydrogen chloride(HCl)	0
Acrylonitrile(CH <sub>2</sub> CHCN)	0
Sulphur dioxide(SO <sub>2</sub> )	0
Nitrogen oxides(NO <sub>x</sub> )	0
Phenol(C <sub>6</sub> H <sub>5</sub> OH)	0
Hydrogen cyanide(HCN)	0
Hydrogen fluoride(HF)	0
Phosgene(COCl <sub>2</sub> )	0

毒性指數：0.912

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°C
- 1.3 燃燒箱體積：0.7 m<sup>3</sup>
- 1.4 燃燒時間：1分鐘
- 1.5 試片重量：1.1511 g
- 1.6 本試驗係由中山科學研究院代為測試

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# 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	161	3.33	8.13	N
#2	121	3.39	8.09	N
#3	130	3.58	8.08	N
#4	99.6	3.59	8.14	N
#5	164	3.33	8.13	N
#6	343	3.21	8.01	N
#7	249	3.21	8.10	N
#8	200	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

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	179	3.22	8.08	N
#4	193	3.22	8.10	N
#5	18.0	3.23	8.13	P
#6	208	3.22	8.13	N
#7	240	3.22	8.08	N
#8	23.7	3.22	8.03	P
#9	221	3.22	8.10	N
#10	16.9	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 Condition - temperature: 23±2°C

Experimental Condition - relative humidity: 50±5%

Test Method: Method A

Test temperature: 23±2°C



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Application No : 098A011-J111173

Date Tested : 2009/07/20

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
- <Blank Below>