

Test Report

REPORT NO : KV-08-10448ZA

PAGE NO : 1 OF 3

DATE : Dec. 09,2008

PROJECT

Shin-Dah Power Plant's Subsequent Construction Project of Indoor's Coals Ground

EMPLOYER

TWIWAN POWER COMPANY

CONTRACTOR

TriumStar International Co., Ltd.

CLIENT

LYON PLASTIC CO., LTD.

SUPPLIER

LYON PLASTIC CO., LTD.

CARGO

LIHYANG UV PC Anti-Ultraviolet Ray & Light-Penetrating Corrugated Sheet

SAMPLING BY

TriumStar International Co., Ltd.(Lareutz Lee)

SAMPLE SUBMITTED BY

LYON PLASTIC CO., LTD.(Chen Yao-Ming)

SAMPLING DATE

Nov. 14,2008

SAMPLE RECEIVED DATE

Nov. 24,2008

SAMPLE TESTED DATE

Nov. 24,2008 ~ Dec. 08,2008

REMARK

The information mentioned in the above section is provided by testing applicant(Exclude tested date)

TEST RESULTS :

Test Item	Test Method	Test Result
Specific Gravity(23°C)	ASTM D792-00 Method A	1.193
Tensile Strength(kgf/cm ²)	ASTM D638-03	696
Elongation(%)		47
Tensile Modulus(kgf/cm ²)		22559
Compressive Strength(kgf/cm ²)	ASTM D695-02a	821
Lumiuous Transmittance(%) (500nm)	ASTM D1003-07 Procedure B	89.62
Flexural Strength(kgf/cm ²)	ASTM D790-07 Procedure A	1237
Impect Resistance	CNS 12093(1987)	No Breaking

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TW7706239

The value of required specifications are for reference only.

Conformity judgement is the Applicant's final verdict.

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Test Report

REPORT NO : KV-08-10448ZA

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DATE : Dec. 09,2008

TEST ITEM : Vertical Burning Test

TEST METHOD : Ref. UL 94 V-2

(Conditioning : Condition the test specimens at(23±2)°C and(50±5)% relative humidity for 48 hours.)

TEST RESULTS :

Criteria Conditions	Specimen					V-2 Requirements
	1	2	3	4	5	
Thickness(mm)	1.95	1.98	1.98	1.98	1.96	---
Afterflame time for each individual specimen t1(sec)	20.2	18.6	6.0	12.2	14.4	≤30
Afterflame time for each individual specimen t2(sec)	21.3	8.4	16.3	22.3	27.6	≤30
Total afterflame time (t1 plus t2 for the 5specimens)(sec)	167.3					≤250
Afterflame plus afterglow time for each individual specimen after the second flame application(t2+t3)(sec)	21.3	8.4	16.3	22.3	27.6	≤60
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No	No	No	No
Cotton indicator ignited by flaming particles or drops	Yes	Yes	Yes	Yes	Yes	Yes

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REPORT NO : KV-08-10448ZA

PAGE NO : 3 OF 3

DATE : Dec. 09,2008

TEST ITEM : Vertical Burning Test

TEST METHOD : Ref. UL 94 V-2

(Conditioning : Condition the test specimens at(70±1)°C relative humidity for 168 hours.)

TEST RESULTS :

Criteria Conditions	Specimen					V-2 Requirements
	1	2	3	4	5	
Thickness(mm)	1.98	1.98	1.96	1.98	1.98	---
Afterflame time for each individual specimen t1(sec)	16.1	23.6	7.9	18.4	12.6	≤30
Afterflame time for each individual specimen t2(sec)	4.7	10.3	15.7	9.3	16.6	≤30
Total afterflame time (t1 plus t2 for the 5specimens)(sec)	135.2					≤250
Afterflame plus afterglow time for each individual specimen after the second flame application(t2+t3)(sec)	4.7	10.3	15.7	9.3	16.6	≤60
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No	No	No	No
Cotton indicator ignited by flaming particles or drops	Yes	Yes	Yes	Yes	Yes	Yes

Remark : 1. The testing item of Specific Gravity 、 Tensile Strength 、 Elongation 、 Compressive Strength 、 Flexural Strength test are TAF accredited items.
2. This test report is an extra issued one of KV-08-10448Z .

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