



## Test Report

No. 3609611/TX

Date : Oct 13 2010

Page 1 of 4

INTERNATIONAL MARKET ACCESS LTD  
SUITE 6-7, 20/F, MARINA HOUSE  
68 HING MAN STREET  
SHAUKEIWAN  
HONG KONG

The following sample was submitted and identified by the client as:

One sample of PP car mat in black

Country Of Origin : China  
Country Of Destination : UK, USA, Australia  
Sample Receiving Date : Sep 27, 2010  
Test Performing Period : Sep 28 – Oct 13, 2010  
Test Performed : Selected test(s) as requested by applicant (details  
please refer to result page(s).

\* \* \* \*

Test Results : Please refer to the next page(s).

Conclusion : Dimensional stability to washing #  
Appearance after laundering S  
Colour fastness to actual laundering #  
Abrasion resistance N/A  
Flammability M

Remarks: # = As attached  
N/A = Not applicable  
M = Meets general requirement  
S = Satisfactory

Washed, residual & tested samples returned to applicant

Signed for and on behalf of  
SGS Hong Kong Ltd.

Chiramanee, Pornchai  
Senior Account Executive

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**Test Results :****Dimensional Stability To Washing**

(use cold tap water for 2 mins. Line dry)

**After 3 wash**

Lengthwise (%) -0.6

Widthwise (%) -0.3

Remarks : (+) Means extension

(-) Means shrinkage

**Appearance After Laundering**

(Washing procedures: same as shrinkage)

**After 3 tap water for 2 mins**

Observation on washed sample:

- |                              |                           |
|------------------------------|---------------------------|
| 1. Colour change             | No significant change     |
| 2. Seam                      | No significant change     |
| 3. Appearance of accessories | No significant change     |
| 4. Shape                     | No appreciable distortion |

General appearance of washed sample is satisfactory.

**Colour Fastness To Actual Laundering**

(Washing Procedure same as shrinkage)

**After 3 wash**

Change in shade 4.5

**After 1 wash**

Staining on multifibre stripe

Acetate 4.5

Cotton 4.5

Nylon 4.5

Polyester 4.5

Acrylic 4.5

Wool 4.5

Remarks: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

**Abrasion Resistance**

(ASTM D4966-1998(2007) Option 1/ Option 2/ Option 3; Martindale Wear & Abrasion Tester ; 9 kPa Pressure)

End point (cycles)	Not applicable
Colour change at cycles (rating)	
% loss of weight after cCycles	

**Flammability test:**

Flammability (Horizontal) per Federal Motor Vehicles Safety Standard (FMVSS) 302 "Flammability of Interior Materials", as specified in the code of Federal Regulations Title 49, Transportation, Section 571.302.

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**I. Sample details:**

Name / Color	Car Mat / Black
Size of sample	Length: 355mm    Wide: 100mm    Thickness: 16mm    6 pcs

**II. Test Conducted: FMVSS 302- Test FEDERAL MOTOR VEHICLE SAFETY STANDARD No.302**

- A. Install test specimen in U shaped frames exterior side down.
- B. Place specimen and frame assembly in the stand inside the burn box with the specimen free end nearest to the door.
- C. Turn on the gas supply and ignite the Bunsen burner, adjust the burner value for a flame height of 1.5 inches.
- D. Position the top of the Bunsen burner tube so that it is 0.75 inches below the center of the free end of the specimen.
- E. Expose the specimen to the burner flame for 15 seconds, +0, -1, turn off gas supply to burner and reset timer to zero.

Conditioning	T : 21±2 °C    H : 50±5 %    at least 24h
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**III. Test results:**

Specimen		Burn time (Seconds)	Burn length (Inch)	Burn rate (in./min)	Compliance
Length	1	408	10	1.47	PASS
	2	517	10	1.16	PASS
	3	496	10	1.21	PASS
Width	4	698	10	0.86	PASS
	5	643	10	0.93	PASS
	6	581	10	1.03	PASS

**Requirements:**

Any position of a single or composite material which is within 0.5 inches of the occupant compartment air space shall not burn nor transmit a flame front across its surface, at a rate of more than 4 inches per minute. However, if a material stops burning before it has burned for 1 minute from the start of timing, and has not burned more than 2 inches from the point where timing was started, it shall be considered to meet the burn-rate requirement of the standard.

**Conclusion:** The submitted set of specimens **meets** the requirements of the FMVSS 302

\*\*\*\*\* End of Report \*\*\*\*\*

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