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## TEST REPORT

**FOR REFERENCE ONLY**

Report No : **MGT/TR0305-02/10**

Submitted To : PERCEPTIVE PROFILE SDN. BHD.  
PT 19251, PERSIARAN BATU GAJAH PERDANA 10,  
TAMAN PERINDUSTRIAN GAJAH PERDANA,  
31550 PUSING, PERAK DARUL RIDZUAN.  
**(ATTN : MR. CHEAH CHOONG YUEH)**

Your Reference : MGT/QT/031/2010

Project No. : TP0365

Part/Sample Identification : **WOOD PLASTIC COMPOSITE**  
**a) SAMPLE A1**  
**b) SAMPLE B1**  
**c) SAMPLE C1**

Sample Received Date : 23 February 2010

Test Method/Specification : In-House Method MGT/002/ES-X 60410 (Rev 2)

Issued Date : 25 February 2010

Authorised Signatory,

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(MUHAMMAD FADZLY HJ MISBAH)  
Operation Manager,  
Component & Material Testing Division

Approved Signatory,

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(SUHAIMI HJ LATIP)  
General Manager,  
Maqna Glokal Technologies Sdn Bhd

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**Part/Sample Tested : WOOD PLASTIC COMPOSITE**

**1.0 INTRODUCTION**

The tested sample identified as "**WOOD PLASTIC COMPOSITE**" were submitted by Perceptive Profile Sdn Bhd for testing according to In-House Method MGT/002/ES-X 60410 (Rev 2) based on ES-X 60410 (CL Q) specification.

**2.0 SAMPLE IDENTIFICATION**

| No | Sample Name/Identification | Test Method/Test Specification  |
|----|----------------------------|---|
| 1. | WOOD PLASTIC COMPOSITE     | In-House Method<br>MGT/002/ES-X 60410 (Rev 2)<br>based on ES-X 60410 (CL Q) |

**3.0 SUMMARY OF TEST RESULTS**

| No | Test Item   | Judgment                         |
|----|---|----------------------------------|
| 1. | Flammability (Normal State)<br>a) Sample A1<br>b) Sample B1<br>c) Sample C1 | Complied<br>Complied<br>Complied |

FOR REFERENCE ONLY

**Part/Sample Tested : WOOD PLASTIC COMPOSITE**

**4.0 Flammability - Normal State**

**4.1 Test Method :** In-House Method MGT/002/ES-X 60410 (Revision 2) Clause 4.3 based on ES-X 60410 (Rev Q)

**4.2 Test Description/Test Method**

4.2.1 Specimen Size : (350 x 100)mm

4.2.2 Flame Height : 38mm

4.2.3 Burned Length : 254mm

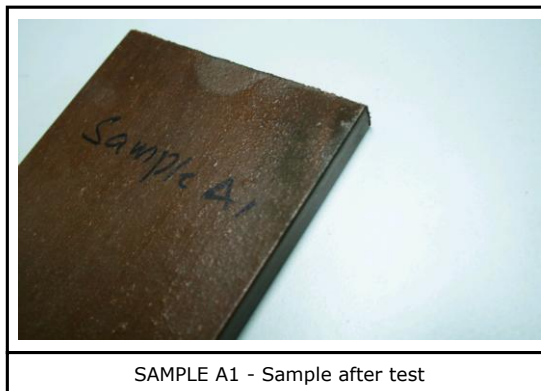
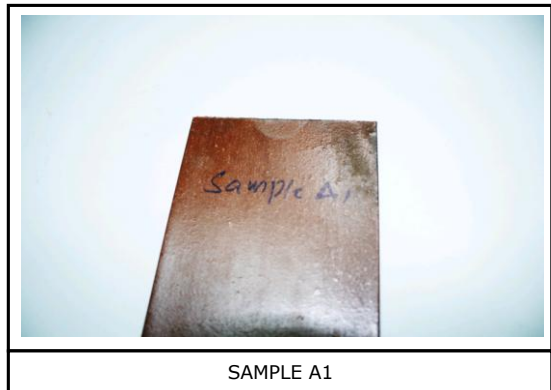
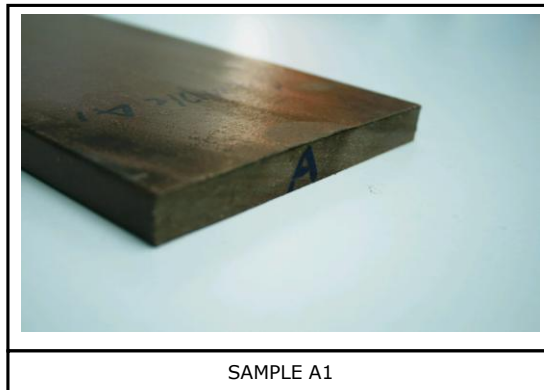
Note 1 :- Uncertainty Of Measurement : ±23.17mm/min

**4.3 Test Results**

| No | Test Requirement   | Test Results/Observation | Judgment | Remarks  |
|----|--|--------------------------|----------|--|
| 1. | <b>Sample A1</b><br><b>Burn Rate</b><br>80mm/min maximum | <b>Burn Rate</b><br>/    | Complied | Sample incombustible*<br><b>Refer Figure 1</b> |
| 2. | <b>Sample B1</b><br><b>Burn Rate</b><br>80mm/min maximum | <b>Burn Rate</b><br>/    | Complied | Sample incombustible*<br><b>Refer Figure 2</b> |
| 3. | <b>Sample C1</b><br><b>Burn Rate</b><br>80mm/min maximum | <b>Burn Rate</b><br>/    | Complied | Sample incombustible*<br><b>Refer Figure 3</b> |

\* Note 2 : Incombustible means test sample did not commences any burning.

**4.4 Figures & Attachments**



**Figure 1 :** Wood Plastic Composite (Sample A1)

**REFERENCE ONLY**

Part/Sample Tested : WOOD PLASTIC COMPOSITE



SAMPLE B1

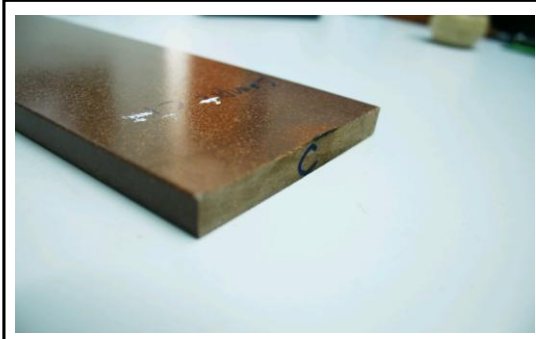


SAMPLE B1



SAMPLE B1 - Sample after test

Figure 2 : Wood Plastic Composite (Sample B1)



SAMPLE C1



SAMPLE C1



SAMPLE C1 - Sample after test

Figure 3 : Wood Plastic Composite (Sample C1)