

**Test Report No. 7191087513-MEC14-YWA**  
**dated 28 May 2014**



PSB Singapore

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**SUBJECT:**

Ignitability test on "NGANYAM / Black 08" Synthetic Weaving Material submitted by Quadraplast. PT. on 05 May 2014.

**TESTED FOR:**

Quadraplast. PT.  
Jl. Gelora No.16-18  
Jurumudi - Tangerang  
Indonesia

**DATE OF TEST:**

22 May 2014

**PURPOSE OF TEST:**

To measure the ignitability of a material combinations, e.g. covers and filling used in upholstered seating when tested in accordance with IMO Res. A. 652(16) adopted on 19 October 1989 was adopted for the test.

The test was conducted at TÜV SÜD PSB's fire test laboratory located at No. 10 Tuas Avenue 10, Singapore 639134.



Laboratory:  
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### **DESCRIPTION OF SPECIMENS:**

Four pieces of specimen, said to be "NGANYAM / Black 08" (1.2mm - 1.3mm thick) Synthetic Weaving Material comprising of HDPE were submitted. Two pieces of specimen were of nominal test size of 450mm x 300mm and two pieces of specimen were of nominal test size of 450mm x 150mm. The Additives and Fire Retardant used were said to be UV Light Stabilizer and FR0008 respectively. The nominal thickness of the sample was found to be approximately 1.1mm. The overall thickness and area bulk density of the specimen were found to be approximately 4mm and 1.38kg/m<sup>2</sup> respectively.

### **RESULTS:**

Description	Observation
1) Smouldering Cigarette Test	
i) Flaming ignition	No occurrence of any visible flaming within 60min of cigarette placement.
ii) Progressive smouldering ignition	Specimen charred under the influence of the ignition source but did not propagate further (non-progressive) within 60min of cigarette placement.
2) Butane Flame test	
i) Flaming ignition	Specimen self extinguished after removal of the burner tube.
ii) Progressive smouldering ignition	Specimen charred under the influence of the ignition source but did not propagate further (non-progressive) after removal of the burner tube.

### **CONCLUSION:**

In accordance with the requirements stated in IMO Res. A. 652(16) adopted on 19 October 1989 the sample tested passed both the Smouldering Cigarette test and the Butane Flame test.



Ong Kian Huat  
Senior Associate Engineer



Chan Lung Toa  
Product Manager  
(Fire Property)  
Mechanical Centre

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July 2011

