

**Test Report No. 719171772-MEC10-LGJ**  
dated 22 Mar 2010



PSB Singapore

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**SUBJECT:**

Ignitability test on "Viro fiber" Polyethylene Polystrap Dark Bronze (1250006295 – FR 6) material submitted by PT. POLYMINDO PERMATA on 12 Mar 2010.

**TESTED FOR:**

PT. POLYMINDA PERMATA  
Kawasan Industri Jatake  
Jl. Industri 2 Blok F No. 8  
Tangerang 15135  
Indonesia

**DATE OF TEST:**

19 Mar 2010

**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 fire test laboratory located at No. 10 Tuas Avenue 10, Singapore 639134.



Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
No.1 Science Park Drive

Phone : +65-6885 1333  
Fax : +65-6776 8670  
E-mail: testing@tuv-sud-psb.sg

Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
3 Science Park Drive, #04-01/05



DESCRIPTION OF SPECIMENS:

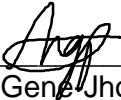
4 pieces of specimen, said to be "Viro fiber" (1.2mm thick) Polyethylene Polystrap Dark Bronze (1250006295 – FR 6) material woven over a 13mm diameter aluminium tube perimeter edge framing were submitted. The fire retardant used was said to be Brominated phosphate ester. The additives used were said to be antioxidant, anti UV, lubricant and fire retardant. The bulk density of the Polyethylene material was found to be approximately 856kg/m<sup>3</sup>.

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.

  
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Leong Gene Jhou  
Associate Engineer

  
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Chan Lung Toa  
Product Manager  
(Fire Safety & Security Products)  
Mechanical Centre

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March 2010