

Test Report No. 7191201604-MEC19/03-LNB
dated 20 FEB 2019



PSB Singapore

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SUBJECT:

Testing on uPVC pipe fittings

TESTED FOR:

Aliaxis Singapore Pte Ltd
15A, Tuas Ave 18 #04-03
Singapore 638905

Attn : Mr Christopher Heng

TEST METHOD:

SS 213 : 1998 Specification for Unplasticised PVC pipes and fittings for soil, waste and vent applications.

SAMPLE DESCRIPTION:

5 lots of "SNOW" Brand UPVC pipe fittings were received on 30 January 2019

They were of the following:

- (1) Y-Tee 50mm,80mm & 160mm
- (2) Socket Reducer 40mm x 32mm, 80mm x 50mm, 160mm x 110mm
- (3) 88 Deg Bend 32mm, 80mm & 160mm
- (4) 88 deg Sweep Junction 32mm, 80mm & 160mm
- (5) U-Trap 80mm & 100mm

DATE OF TEST:

31 January 2019



LA-2007-0380-A LA-2007-0384-G
LA-2007-0381-F LA-2007-0385-E
LA-2007-0382-B LA-2007-0386-C
LA-2007-0383-G LA-2010-0464-D

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TUV®



TEST RESULTS:

(1) Dimensional Measurements of Fittings

Sample Size	88 Deg Sweep Junction			SS 213 : 1998 Requirements		
	32mm	80mm	160mm	32mm	80mm	160 mm
Wall thickness	2.4	3.2	4.1	2.1 min	3.0 min	4.0 min
Socket depth	24.1	46.0	78.0	23.8 min	44.4 min	76.2 min
Socket diameter	36.4	82.6	160.4	36.2 min 36.5 max	82.3 min 82.7 max	160.0 min 160.5 max

(2) Stress Relief

Test	88 Deg Sweep Junction			SS 213 : 1998 Requirements
	32mm	80mm	160mm	
Stress Relief at 150°C for 30 min	Comply			Shall comply with Clause 9.2.4

(3) Hydrostatic Pressure

Test	88 Deg Sweep Junction			SS 213 : 1998 Requirements
	32mm	80mm	160mm	
Pressure of 70 kPa for 1 min	Comply			Shall comply with Clause 9.2.3

(4) Opacity

Test	88 Deg Sweep Junction			SS 213 : 1998 Requirements
	32mm	80mm	160mm	
Opacity	Comply			Shall comply with Clause 9.2.6

Note : The results of the softening point and PVC & titanium dioxide tests will be submitted separately


Tan Yong Xiang
Associate Engineer


Lee Ngiap Boon
Senior Associate Engineer
Industrial Group
Mechanical Centre

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July 2011

