



SUBJECT:

Testing of uPVC pipes

TESTED FOR:

Glynwed Pipe Systems (Asia) Pte Ltd
15A, Tuas Avenue 18
Singapore 638905

Attn: Mr. Huang Sheng Jie

DATE OF TEST:


26 October 2016

METHOD OF TEST:

JIS K 6741:2007 (JPPFA/JPIF/JSA) Unplasticized poly (vinyl chloride) (PVC-U) pipes

DESCRIPTION OF SAMPLE:

The following nominal sizes of uPVC pipes were submitted for testing.

Nominal Size	Markings on uPVC pipes submitted	Tests Conducted
25mm	SNOW 25mm UPVC PIPE JIS K 6741 CLASS VU (AE)	 <ol style="list-style-type: none"> 1. Dimensional Measurements 2. Pressure resistance test 3. Flattening test 4. Vicat softening temperature test
50mm	SNOW 50mm UPVC PIPE JIS K 6741 CLASS VU (AE)	
75mm	SNOW 75mm UPVC PIPE JIS K 6741 CLASS VU (AE)	
100mm	SNOW 100mm UPVC PIPE JIS K 6741 CLASS VU (AE)	
150mm	SNOW 150mm UPVC PIPE JIS K 6741 CLASS VU (AE)	



The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council.

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RESULTS:

(1a) Dimensional Measurements

Test	JIS K 6741:2007 Requirements (VU – 25mm)	Results
		25mm
Outside diameter (mm)	---	31.9
Wall thickness (mm)	---	2.2

(1b) Dimensional Measurements

Test	JIS K 6741:2007 Requirements (VU – 50mm)	Results
		50mm
Outside diameter (mm)	60.0 ± 0.2	59.9
Wall thickness (mm)	(Min. 1.8) + 0.4	2.0

(1c) Dimensional Measurements

Test	JIS K 6741:2007 Requirements (VU – 75mm)	Results
		75mm
Outside diameter (mm)	89.0 ± 0.3	88.8
Wall thickness (mm)	(Min. 2.7) + 0.6	2.9

(1d) Dimensional Measurements

Test	JIS K 6741:2007 Requirements (VU – 100mm)	Results
		100mm
Outside diameter (mm)	114.0 ± 0.4	113.8
Wall thickness (mm)	(Min. 3.1) + 0.8	3.8

(1e) Dimensional Measurements

Test	JIS K 6741:2007 Requirements (VU – 150mm)	Results
		150mm
Outside diameter (mm)	165.0 ± 0.5	165.0
Wall thickness (mm)	(Min. 5.1) + 0.8	5.9

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RESULTS (CON'T):

(2) Pressure Resistance Test

Test	JIS K 6741:2007 Requirements (VU)	Results				
		25mm	50mm	75mm	100mm	150mm
Pressure Resistance	Clause 9.1.2	Pass	Pass	Pass	Pass	Pass


(3) Flattening Test

Test	JIS K 6741:2007 Requirements (VU)	Results				
		25mm	50mm	75mm	100mm	150mm
Flattening	Clause 9.1.4	Pass	Pass	Pass	Pass	Pass

(4) Vicat Softening Temperature Test

Test	JIS K 6741:2007 Requirements (VU)	Results				
		25mm	50mm	75mm	100mm	150mm
Vicat Softening Temperature	Clause 9.1.6	Pass	Pass	Pass	Pass	Pass


Marzuki Bin Mohd
Engineer


Chua Peck Cheong
Senior Manager

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