

TEST REPORT 2525007-KGT

Date 21 NOV 2025

Singapore Test Lab Pte Ltd, 10B Enterprise Road, Singapore 629828, Tel: +65 6353 6393, Fax: +65 6353 6395

SUBJECT:

Testing of uPVC pipes

TESTED FOR:

SNOW PTE LTD 15A, Tuas Avenue 18, #03-01 & #04-03, Jian Huang Business Centre, Singapore 638905

Attn: Mr. Senthil

SAMPLE RECEIVED DATE:

13 Nov 2025 and 19 Nov 2025

TEST DATE:

13 Nov 2025 to 21 Nov 2025

METHOD OF TEST:

SS 141: 2013 - Specification for unplasticised PVC pipe for cold water services and industrial uses

TEST CONDECTED:

- 1. Measurement of dimensional
- 2. Vicat Softening Temperature
- 3. Heat reversion
- 4. Hydrostatic pressure
- 5. Impact strength
- Tensile
- 7. Opacity

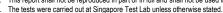




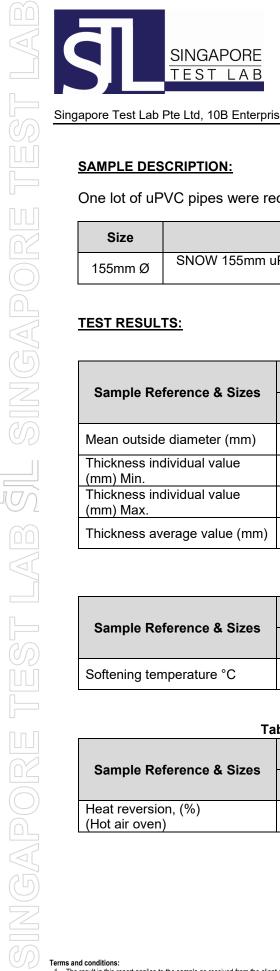
The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council

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SAMPLE DESCRIPTION:

One lot of uPVC pipes were received. The descriptions are as follow:

;	Size	Markings
151	155mm Ø	SNOW 155mm uPVC PIPE SS141:2013 BS 3506 CLASS B PUB 1506S (1) 12 11 25
150		17:12 LEAD FREE

TEST RESULTS:

Table 1 - Dimensional measurements

Sample Reference & Sizes	Results	SS 141 : 2013 Requirements PN 0.6 (Class B)
oampie Kererence & Oizes	155mm Ø	155mm Ø
Mean outside diameter (mm)	168.5	168.0 min. 168.5 max.
Thickness individual value (mm) Min.	4.9	4.5
Thickness individual value (mm) Max.	5.1	5.2
Thickness average value (mm)	5.0	5.2 max.

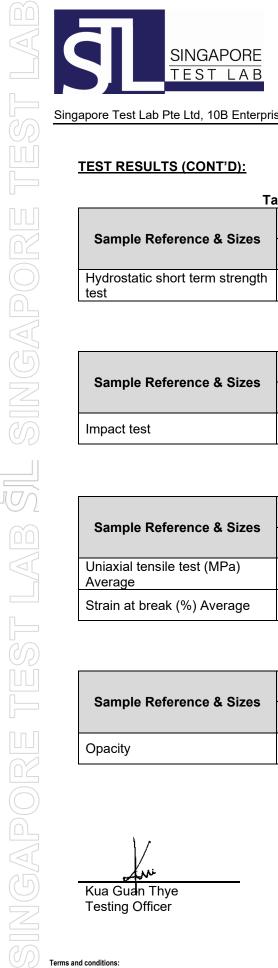
Table 2 - Vicat Softening Temperature Tests

Sample Deference & Sizes	Results	SS 444 + 2042 Paguiramenta	
Sample Reference & Sizes	155mm Ø	SS 141 : 2013 Requirements	
Softening temperature °C	80	<u>≥</u> 80	

Table 3- Longitudinal reversion Tests

Sample Deference & Sizes	Result	SS 144 : 2012 Paguiromento
Sample Reference & Sizes	155mm Ø	SS 141 : 2013 Requirements
Heat reversion, (%) (Hot air oven)	3.2	5 max.

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TEST RESULTS (CONT'D):

Table 4 - Hydrostatic pressure Tests

Sample Reference & Sizes	Result	SS 141 : 2012 Paguiromento
Sample Reference & Sizes	155mm Ø	SS 141 : 2013 Requirements
Hydrostatic short term strength test	Passed	No failure during the test.

Table 5 - Impact Tests

Sample Deference & Sizes	Result	SS 141 - 2012 Paguiromento
Sample Reference & Sizes	155mm Ø	SS 141 : 2013 Requirements
Impact test	Passed	Clause D.5

Table 6 -Tensile Tests

Sample Reference & Sizes	Results	SS 141 : 2013 Requirements
Sample Reference & Sizes	155mm Ø	Table 5
Uniaxial tensile test (MPa) Average	50.4	45
Strain at break (%) Average	184	<u>≥</u> 80

Table 7 - Opacity Tests

Sample Deference & Sizes	Result	SS 144 : 2012 Baquiramento
Sample Reference & Sizes	155mm Ø	SS 141 : 2013 Requirements
Opacity	Passed	Shall not transmit more than 0.2% of visible light failing on it

Kua Guan Thye **Testing Officer**

Manager

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