

TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

Setesco Services Pte Ltd
531 Bukit Batok Street 23
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Fax: (65) 6566 7718
www.setesco.com
Business Reg. No. 196900269D

Date: 12th August 2022

Your Ref: PO22000036
Dated: 14/01/2022

Our Ref: MM-8500212753/CY/5

Page 1 of 3

Subject : Testing of uPVC Fitting submitted by SNOW Pte Ltd on 13th June 2022.

Tested for : **SNOW PTE LTD**
15A Tuas Ave 18 #03-01 & #04-01
Singapore 638905
Attn: Mr Huang Sheng Jie

Date & Place of Test : 02th Aug 2022 at Setsco Laboratory

Method of Test : SS 213: 1998
1) Dimensional Measurement

Description of Sample : One (01) uPVC Fitting (see photographs) was received as follows:

S/No.	Sample Reference	Sample Marking	Qty
1	uPVC Straight Pan Collar	SNOW PC100 AS1415 SS213 100mm BS5627	01


CHEN YU
Testing Officer


CHENG KWANG MENG
Senior Manager (Mechanical Testing)
Mechanical Technology Division

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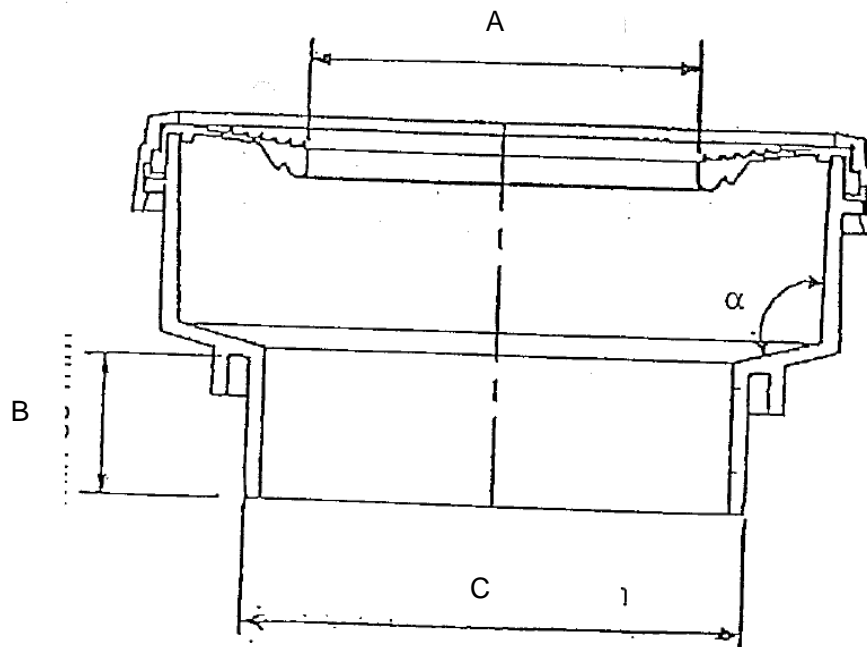


LA-1993-0051-C LA-1988-0144-D
LA-1993-0067-G LA-2000-0181-F
LA-1994-0068-A LA-2012-0519-E
LA-1987-0001-B

Results:**Table 1: Dimensional Measurement Test**

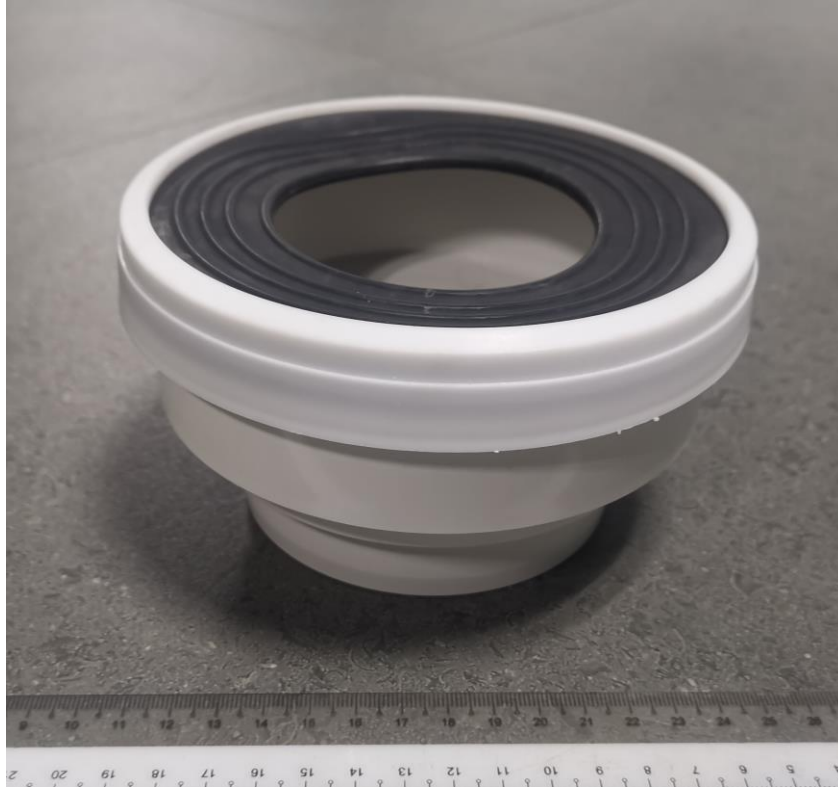
Sample Reference		uPVC Straight Pan Collar			SS 213 : 1998 Requirements (Figure 2.14)	
		Point 1	Point 2	Point 3		
Wall Thickness (mm)	Individual	3.66 [#]	3.63 [#]	3.27 [#]	Min. : 3.2	
	Average	3.52 [#]			-	
Dimension	A (mm)	Individual	77.5	76.2	77.0	Max. : 83
		Average	76.9			
	B (mm)	Individual	30.9	30.7	30.8	Min. : 30
		Average	30.8			
	C (mm)	Individual	103.0	102.8	102.8	102±1.0
		Average	102.9			
	α (°)	Individual	108.2	109.1	108.7	Min. : 92
		Average	108.7			

Measurement was done at the PVC pipe connection portion.



Ag.

Appendix



Photographs showing submitted uPVC Straight Pan Collar

Gy.

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Page 1 of 3

Subject : Testing of uPVC Fitting submitted by SNOW Pte Ltd on 19th May 2022.

Tested for : **SNOW PTE LTD**
15A Tuas Ave 18 #03-01 & #04-01
Singapore 638905
Attn: Mr Huang Sheng Jie

Date & Place of Test : 26th to 27th May 2022 at Setsco Laboratory

Method of Test : SS 213: 1998
1) Stress relief test
2) Hydrostatic pressure test
3) Opacity test
4) Freedom from defects

Description of Sample : Two (02) uPVC Fittings (see photographs) were received as follows:

S/No.	Sample Reference	Sample Marking	Qty
1	uPVC Straight Pan Collar	SNOW PC100 AS1415 SS213 100mm BS5627	02



CHEN YU
Testing Officer



CHENG KWANG MENG
Senior Manager (Mechanical Testing)
Mechanical Technology Division

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LA-1994-0068-A LA-2012-0519-E
LA-1987-0001-B

Results:**Table 1: Stress Relief**

Sample Reference	Observation		SS 213 : 1998 Requirements
	Weld line	Injection point	
uPVC Straight Pan Collar	Passed	Passed	<p>No point along its length shall the 'Weld Line' open through the complete thickness of the fitting.</p> <p>Any surface damage around the injection point shall not penetrate to a depth greater than 50% of the wall thickness at that point</p>

Table 2: Hydrostatic Pressure Test

Sample Reference	uPVC Straight Pan Collar	SS 213 : 1998 Requirements
Pressure (kPa)	70	-
Duration (secs)	60	Min.: 15secs Max.: 60secs
Observation	Passed	Shall show no signs of leakage or any defects

Table 3: Opacity Test

Sample Reference	uPVC Straight Pan Collar	SS 213 : 1998 Requirements
Opacity Test	Passed	Shall not transmit 0.2% of visible light

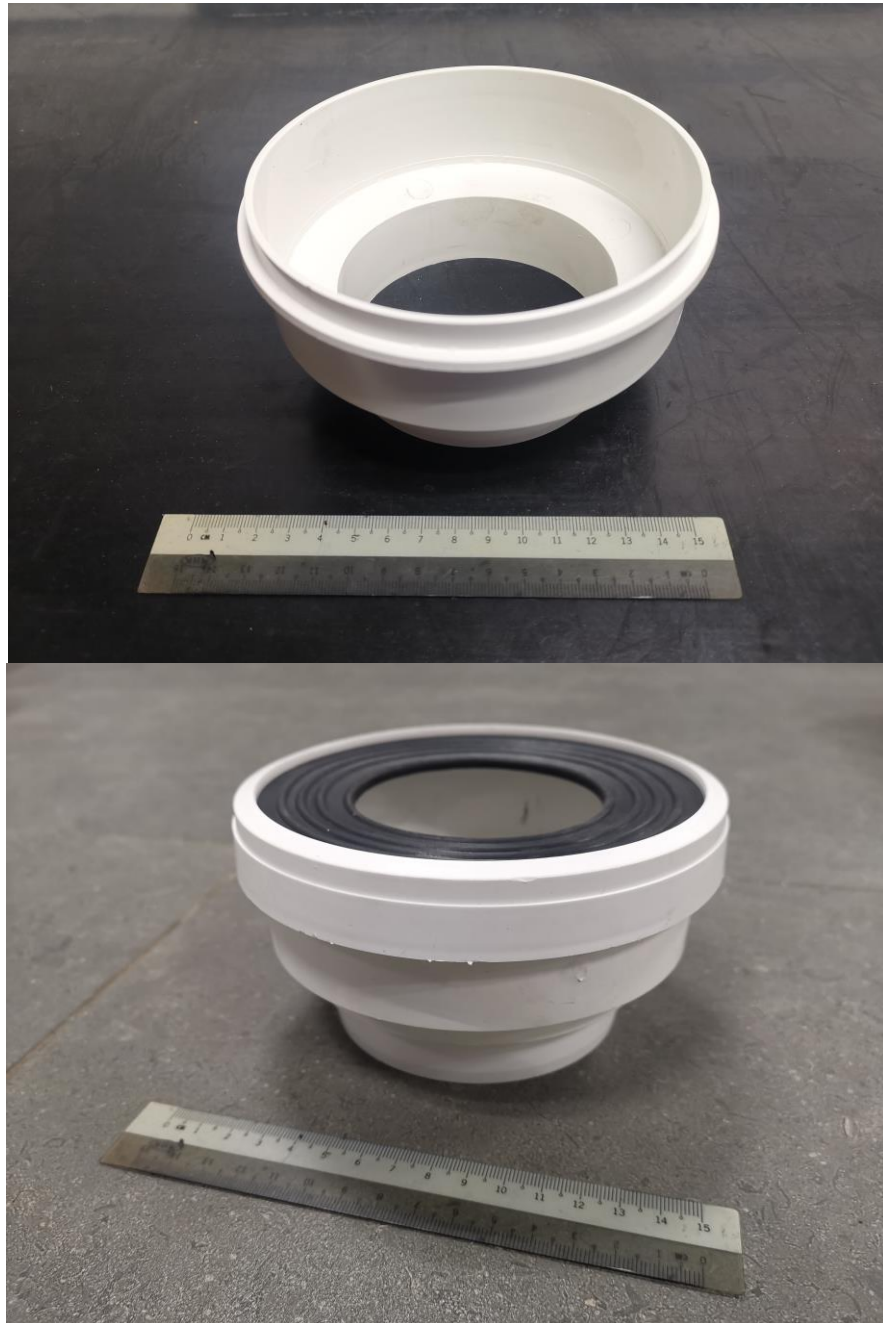
Table 4: Freedom from defects

Sample Reference	uPVC Straight Pan Collar	SS 213 : 1998 Requirements
Freedom from defects	Passed	The internal and external surfaces of the fittings shall be clean, smooths and reasonably free from grooving and other defects.

Remark: The above is not an accredited test.

Gy.

Appendix



Photographs showing submitted uPVC Straight Pan Collar

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Our Ref : MM-8500212753/2-1/RH

Date : 06/06/2022

Page 1 of 1

Subject : Determination of PVC and titanium dioxide (TiO₂) content of sample submitted by Paling Industries Sdn Bhd on 25/05/2022 and test commenced on 25/05/2022.

Test For : **SNOW PTE LTD**
15A Tuas Ave 18
#03-01 & #04-01
Singapore 638905
Attn : Mr Huang Sheng Jie

Method of Test : SS 272 Annex C : 2012

Sample Description : Straight Pan Collar
Brand : SNOW

Results :

Determination	Result	SS 213 : 1998 Requirement
PVC Content (% , m/m)	86.8	Min. 83.3
Titanium Dioxide Content (per 100 parts by mass of PVC)	4.0	Min. 2


KUEH HUI LIN
EXECUTIVE CHEMIST


RENNY HUSNI
PRINCIPAL CHEMIST

BIOLOGICAL AND CHEMICAL TECHNOLOGY DIVISION

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