



30497187-Test Report Issue 2.

Issue 2 Test Report 30497187.

Marley Trading L.L.C.



Introduction.

This report has been prepared by Lakia Masilamany and relates to the activity detailed below:

Job/Registration Details	Client Details
Job number: 30497187 Job type: Testing Samples Submitted Start Date: 02/12/2025 Test type: Type Sample ID: 10218368 10221377 10222101 Registration: KM 832572 Scheme: BS EN 1329-1 Protocol: PP502 Scheme Mgr: Francis Mukototsi	Marley Trading L.L.C. Al Qusais, Industrial Area 3 PO Box 232833 Dubai United Arab Emirates

The report has been approved for issue by Mark Manito – Team Manager

Approved For Issue	
	Issue Date:24 September 2026

Objectives.

Type test for product certification to BS EN 1329-1

Commented [Mc1]: Standard?

Product Scope.

Plastics piping systems for soil and waste discharge Unplasticized poly (vinyl chloride) (PVC-U)

Report Summary.

The samples were received on 18th November 2025 and the testing was started on 2nd December 2025 and concluded on 20th July 2026. Testing was conducted at Hemel Hempstead testing lab.

The samples submitted complied with the requirements of the test work conducted.



Issue 2 - this issue supersedes all previous issues. The amendments giving rise to the issue of this report as follows:
Corrections made to page 6: failure clause removed from page and note added to explain reason
Corrections made to page 7: failure clause removed from page and note added to explain reason
Corrections made to page 10: failure images removed from page
There is no change to the outcome of this report

Test Samples.

Sample Id	ER Number	Description
1	10222101	110 and 200mm plain pipe sent to re-test failures
2	10221377	43,110, and 200mm plain pipe sent to re-test failures
3	10218368	43,110 and 200mm plain pipe

Description of Test Samples.

Sample Description
A: 4 off 43mm S/C pipe - B Nov-25 DPM3261153
B: 7 off 110mm S/C pipe - BD Sep-25 DPM4251011
C: 2 off 200 S/C pipe - BD Oct-25 DPM3250940
D: 3 off 43mm S/C pipe – B re-test sample 1 DPPM32602076 19/02/2026
E: 3 off 110mm S/C pipe – BD re-test sample 1 DPPM32602077 19/02/2026
F: 3 off 200 S/C pipe – BD re-test sample 1 DPPM42602073 1902/2026
G: 2 off 110mm S/C pipe – BD re-test sample 2 DPPM32604090 29/04/2026
H: 2 off 200 S/C pipe – BD re-test sample 2 DPPM42605074 22/05/2026

Commented [LM2]: Get marking from re-test samples

Commented [Mc3R2]: Assuming you've done this? But double check

Test Requirements.

BS EN 1329-1:2020 - Plastic Piping Systems for Soil and Waste Discharge (Low and High Temperature) within the Building Structure - Unplasticized Poly (Vinyl Chloride) (PVC-U) - Pt 1 Specification for Pipes, Fittings and the System

Commented [Mc4]: Should also carry the same title as Table A

Clause	Requirements
As Required	BS EN 1329-1:2020 <i>See - BS EN 1329-1:2020 Type</i>



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Glossary of Terms.

PASS: Complies. Tested by BSI engineers at BSI laboratories.

PASS1: Complies. Witnessed by BSI engineers in manufacturers laboratory.

PASS2: Complies. Tests carried out by third party lab; results accepted by BSI.

PASS*: Report resulted in uncertainty and states that Compliance is more probable than non-compliance.

FAIL: Non compliance – Product does not meet the requirements of this clause.

FAIL*: Report resulted in uncertainty and states that Non-compliance is more probable than compliance.

N/A: Not applicable to design under consideration.

N/T: Not tested due to similarity to previously tested item; reference earlier test report.

Conditions of Issue.

This Test Report is issued subject to the conditions stated in current issue of 'BSI Terms of Service'. The results contained herein apply only to the particular sample(s) tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of BSI, who reserve the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.

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BS EN 1329-1:2020 - Type test.

Summary of Results.

Clause	Description	Assessment
5.2.2	Pipe material	PASS
6	General characteristics	PASS
7.2	Dimensions of pipes	PASS
8.1.1	Impact resistance	PASS
9.1	Physical characteristics of pipes	PASS
10	Performance requirements	PASS
13	Marking	PASS

5.2.2 Pipe material

The pipe material was tested in accordance with the test method specified in Table 2 (EN ISO 1167-1:2006). PASS

6 GENERAL CHARACTERISTICS**6.1 Appearance**

When viewed without magnification the internal and external surfaces of the pipe were smooth, clean and free from grooving, blistering, impurities, pores and other surface irregularities likely to prevent conformity to the standard. PASS

6.2 Colour

The pipes were GREY colour. PASS

7 GEOMETRIC CHARACTERISTICS**7.2 Dimensions of pipes****7.2.1 Outside diameters – Mean outside diameters (dem)**

Pipe	Dimension	Specified	Actual	Assessment
43mm S/C pipe	dn (mm)	43	42.8	PASS
	dem (mm)	42.8 - 43.1		
110mm S/C pipe	dn (mm)	110	110.1	PASS
	dem (mm)	110 - 110.3		
200 S/C pipe	dn (mm)	200	200.3	PASS
	dem (mm)	200 - 200.5		

Test Results (Continued).

Clause

7.2 Dimensions of pipes (Continued)

7.2.2 Out of roundness

Pipe	Dimension	Specified	Actual	Assessment
43mm S/C pipe	Out of roundness (mm)	1.03 Max	0.130	PASS
110mm S/C pipe	Out of roundness (mm)	2.64 Max	0.3	PASS
200 S/C pipe	Out of roundness (mm)	4.80 Max	0.400	PASS

7.2.5 Wall thicknesses

Pipe	Dimension	Specified	Actual	Assessment
200 S/C pipe	e min (mm)	4.9 Min	5.00	PASS
	em max (mm)	5.6 Max	5.15	
43mm S/C pipe re-test sample1	e min (mm)	3.0 Min	3.22	PASS Note 1
	em max (mm)	3.5 Max	3.28	
110mm S/C pipe re-test sample1	e min (mm)	3.2 Min	3.33	PASS Note 1
	em max (mm)	3.8 Max	3.38	

Note 1: initial samples failed this clause, re-test samples were sent in and passed

8 MECHANICAL CHARACTERISTICS

8.1 Mechanical characteristics of pipes

8.1.1 General requirements

The sample: 43mm S/C pipe, 110mm S/C pipe, 200 S/C pipe, was tested in accordance with the test method specified in Table 20.

Impact resistance (round-the-clock method)

The pipe was tested in accordance with the method described in EN ISO 3127

Pipes	Number of blows	Number of failures	Assessment
43mm S/C pipe	25	0	PASS
110mm S/C pipe	25	0	PASS
200 S/C pipe	25	0	PASS

Test Results (Continued).

Clause

9 PHYSICAL CHARACTERISTICS**9.1 Physical characteristics of pipes**

The sample: 43mm S/C pipe, was tested in accordance with the test method specified in Table 24.

Vicat Softening Temperature (VST)

	Specified	Actual	Assessment
VST (°C)	≥ 79°C	83.6°C	PASS

Resistance to dichloromethane

The sample: 43,110 and 200mm S/C pipe, was tested in accordance with the method described in EN ISO 9852.

Pipes	Observation	Assessment
43mm S/C pipe retest 1	No attack observed	PASS Note 2
110mm S/C pipe retest 2	No attack observed	PASS Note 2
200mm S/C pipe retest 2	No attack observed	PASS Note 2

Note 2: initial sample failed this clause, re-test sample was sent in, some sizes failed again so a second set of re-test samples were submitted and passed

Longitudinal reversion

The sample: 43mm S/C pipe, 110mm S/C pipe, 200 S/C pipe, was tested in accordance with Method B of EN ISO 2505

Pipes	Specified	Actual	Assessment
43mm S/C pipe	5 max	4.17%	PASS
110mm S/C pipe	5 max	3.23%	PASS
200 S/C pipe	5 max	1.57%	PASS

10 Elevated temperature cycling

the test sample :110mm plain pipe, were tested in accordance with the method described in EN ISO 13257 using test assembly b, (figure 2).

No leak was observed

Test Results (Continued).

13 MARKING**13.1 General**

The marking was printed on the pipes

The marking appeared to be durable in accordance with durability requirements detailed in Tables 27 and 28.

The marking did not initiate any defects which adversely affect the performance of the pipe

Printing colours differ from that of the pipe

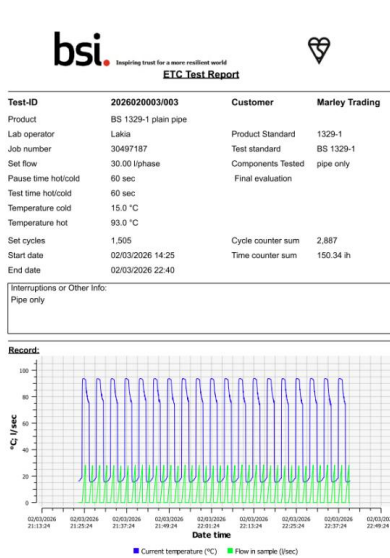
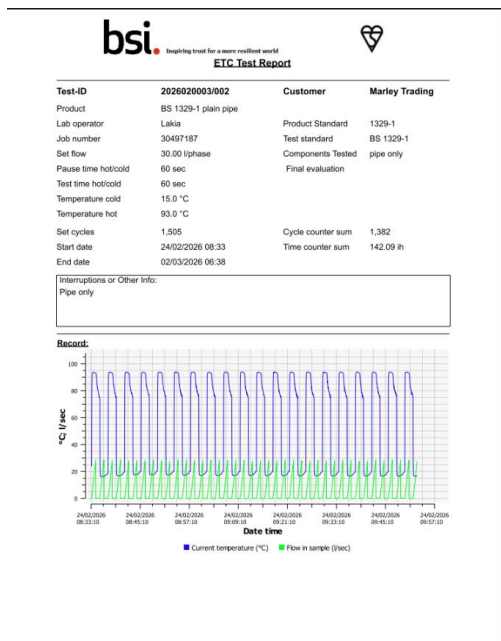
The marking was legible without magnification

Clause**13 MARKING (Continued)****13.1 Minimum required marking of pipes**

Specified marking - Table 17	Assessment
a) Number of standard i.e. EN 1329	PASS
b) Application area code, Either B or BD	PASS
c) Manufacturer's name or trademark	PASS
d) Nominal size	PASS
e) Minimum wall thickness or SDR	PASS
f) Material (either PVC-U or PVC)	PASS
g) Manufacturer's information	PASS
h) Cold climate performance	N/A

Actual Marking (for information only)

Sample	Marking
43mm S/C pipe	ADS MARLEY UAE BSEN 1329-1 B 43 x3.0 MM 1 1/2" UPVC MADE IN UAE DPPM3251133 SA 11/11/2025 16:42:27
110mm S/C pipe	ADS MARLEY UAE BSEN 1329-1 BD 110 x3.2 MM 4" UPVC MADE IN UAE DPPM32550940 SA 11/09/2025 14:00:12
200mm S/C pipe	ADS MARLEY UAE BSEN 1329-1 BD 200 x4.9 MM 8" UPVC MADE IN UAE DPPM4251011 SA 04/10/2025
43mm S/C pipe Re-test sample 1	ADS MARLEY UAE BSEN 1329-1 B 43x3.0MM PVC-U MADE IN UAE DPPM32602076 SA 19/02/2026 13:46:15
110mm S/C pipe Re-test sample 1	ADS MARLEY UAE BSEN 1329-1 BD 110x3.2MM PVC-U MADE IN UAE DPPM32602077 SA 19/02/2026 18:13:43
200mm S/C pipe Re-test sample 1	ADS MARLEY UAE BSEN 1329-1 BD 200 x4.9 MM 8" UPVC MADE IN UAE DPPM42602073 SA 19/02/2026 13:04:20
110mm S/C pipe Re-test sample 2	ADS MARLEY UAE BSEN 1329-1 BD 110x3.2MM PVC-U MADE IN UAE DPPM32604090 SA 29/04/2026 12:52:38
200mm S/C pipe Re-test sample 2	ADS MARLEY UAE BSEN 1329-1 BD 200 x4.9 MM 8" UPVC MADE IN UAE DPPM42605074 SA 22/05/2026 11:51:35



End Report