




Report No	2381/8015657	This Report consists of 3 pages
Client	Bisson Ltd Unit 18 Douglas Road Industrial Park Douglas Road Kingswood Bristol BS15 8PD	
Authority & date	BSI Quotation Acceptance Form BSI 0000474097 Dated 18 June 2013 Equipment Record Number 10142796	
Items tested	Plastics Conduit Tubing	
Specification	BS EN 61386-1:2008 Clauses 10.2 and 10.3 Direct test	
Results	See Summary of Results on Page 2	
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Issue Date	12 July 2013	
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TESTING, EXAMINATION AND ASSESSMENT OF PLASTICS CONDUIT TUBING SUBMITTED AS DIRECT TEST SAMPLES

INTRODUCTION

At the request of the Bisson Ltd, the plastics conduit tubing detailed below and received on 03 July 2013, were tested in accordance with BS EN 61386-1:2008 Clauses 10.2 and 10.3 as indicated on the following page of this Report. This request was made in a BSI Quotation Acceptance Form BSI 0000474097 dated 18 June 2013. It is emphasized that assessments were not made against the other clauses of the Specifications.

This Report only relates to the actual samples which have been tested and assessed. The results obtained do not necessarily relate to samples from the production line and in no way imply that the performance or quality of the continuing production will be maintained.

TEST ITEMS

1 off 4 metre lengths 26.8mm Diameter "Armovin" Plastics Conduit Tubing

SUMMARY OF RESULTS

The 26.8mm Diameter "Armovin" Plastics Conduit Tubing met the requirements of those clauses, or parts thereof, of the Specification against which assessments were made.

EXAMINATION AND TEST**CLAUSE****ASSESSMENT****10. MECHANICAL PROPERTIES****10.2 Compression test**

The Conduits were tested in accordance with the method described in this clause. When a force of either 320N (Light grade) the sample shall not exceed 25% of the initial outside diameter.

Nominal Size	Sample	Force applied (N)	Compression (%)	
26.8mm	1	320	0.79	Pass
Conduit Tubing	2	320	0.82	Pass
	3	320	0.80	Pass

The force and the intermediate piece are then removed and, 60s after removal, the outside diameter of the samples, where they have flattened, shall be measured again.

The difference between the initial diameter and the diameter of the flattened samples shall not exceed 10% of the outside diameter, measured before test.

Nominal Size	Sample	Change in diameter (%)	
26.8mm	1	1.16	Pass
Conduit Tubing	2	0.81	Pass
	3	0.67	Pass

10.3 Impact test

The Conduits were tested at -15°C in accordance with the method described in this clause. After the test, the samples shall show no cracks visible to normal or corrected vision without magnification. It should be possible to pass the appropriate gauges through the samples.

Nominal Size	Mass Used (kg)	Drop height (mm)	No. failures out of 12	
26.8mm	1	100	0	Pass
Conduit Tubing		(Light grade)		

End of Report