



**INSTITUTE FOR ENGINEERING OF
POLYMER MATERIALS AND DYES**
87-100 Toruń ul. M. Skłodowskiej- Curie 55

Paint and Plastics Department
44 – 100 Gliwice,
ul. Chorzowska 50 A

Analytical Research Laboratory

Test Report No. 325/2013

Type of test	Test subject	Name and address of the Client
Selected properties	“dblue” pipes (DN 110 and DN 160), and fittings	POLIPLAST Sp. z o.o. ul. Energetyczna 6 56-400 Oleśnica

SAMPLE		TESTS	
No.	Acceptance	Beginning	End
325/2013	07.11.2013	08.11.2013	15.11.2013

Performer: **Błażej Chmielnicki**
/Full name/ /Sign/

Report performed by: **Błażej Chmielnicki**
/Full name/ /Date, Sign/

Copies:
– Client
– DF

Authorized by:

.....
/Date, Sign/

Accepted by:

.....
/Stamp, Date, Sign/

Test results apply only to tested sample.

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












Page: 1
Pages: 2

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Analytical Research Laboratory	Test Report No.: 325/2013 of 15.11.2013	page: 2	pages: 2
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Sample description:

Client has provided for tests pipes and fittings described as follows:

- 110 87,5° PP-MD ø110 PP-MD dBlue EN-1451- BD    B2(E)- branch in blue color- sample received number 325/1/13
- 160 45° PP-MD ø160 PP-MD dBlue EN-1451- BD    B2(E)- branch in blue color- sample received number 325/2/13
- 160 45° PP-MD ø160 PP-MD POLIphon EN-1451- BD    B2(E)- bend in blue color- sample received number 325/3/13
- POLIphon PP/PP-MD/PP Dimension EN1451 DN110×3,4 BD EN1411  u-SKZ 04-10-2013 D.Z. nr 30/5 z dn. 02-10-2013 r. L:5 EN 13501-E DIN 4102-B2.Z-42.1-399 AT-15-8742/2013 08:45 Poliplast Sp. Z o.o. Oleśnica, ul. Energetyczna 6 Z:1   - pipe in blue color- sample received number 325/4/13
- POLIphon PP/PP-MD/PP Dimension EN1451 DN160×4,9 BD EN1411  u-SKZ 08-08-2013 D.Z. nr 30/4 z dn. 27-09-2012 r. L3 EN 13501-E DIN 4102-B2.Z-42.1-399 AT-15-8742/2011 10:08 Poliplast Sp. Z o.o. Oleśnica, ul. Energetyczna 6 Z:1   - pipe in blue color- sample received number 325/4/13

Test description:

Following tests were performed:

- hydrostatic pressure test and vacuum test of fittings according to AS/NZS 1462.8:2008 pt 7.1 *Methods of test for plastics pipes and fittings - Method of testing the leaktightness of assemblies*, using the following parameters and test conditions:
 - test was done on samples 325/1/13, 32/2/13 and 325/3/13
 - vacuum during the test: -80 kPa
 - pressure during the test: 85 kPa
 - duration of the test: 60 min.
 - test medium:
 - for vacuum test: air
 - for pressure test: water
 - test temperature: 22°C
 - temperature of water during pressure test: 20°C
- elastomeric seal joints test according to AS/NZS 1462.8:2008 pt 7.2 *Methods of test for plastics pipes and fittings - Method of testing the leaktightness of assemblies*, using the following parameters and test conditions:
 - tests were done on assemblies consisting of tested fittings joined with tested pipes
 - vacuum during the test: -80 kPa
 - pressure during the test: 85 kPa

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Analytical Research Laboratory	Test Report No.: 325/2013 of 15.11.2013	page: 3	pages: 3
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- duration of the test: 60 min.
- test medium:
 - for vacuum test: air
 - for pressure test: water
- test temperature: 22°C
- temperature of water during pressure test: 20°C
- socket diametric distortion: 7,5%

Test results: are presented in the tables 1 and 2

Table 1 Results of fittings pressure and vacuum tests

Sample	Test method	Results of test
325/1/13	AS/NZS 1462.8:2008 pt 7.1	There were no leaks in any of the test variant.
325/2/13		There were no leaks in any of the test variant.
325/3/13		There were no leaks in any of the test variant.

Table 2 Results of elastomeric seal joints tests

Sample	Test method	Results of test
325/1/13	AS/NZS 1462.8:2008 pt 7.2	There were no leaks in any of the test variant.
325/2/13		There were no leaks in any of the test variant.
325/3/13		There were no leaks in any of the test variant.
325/4/13		There were no leaks in any of the test variant.
325/5/13		There were no leaks in any of the test variant.

End of test report

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/The report developed by, Signature/