



مختبر علوم التربة لفحص المواد GEOSCIENCE TESTING LABORATORY

REPORT ON PRESSURE TEST FOR VIALLI PPR AND FITTINGS

Report No.	: R1 / 2a09- 4269	Report Date	: 13 / 05 / 2009
Request No.	: Q1 / 2a09 – 4269	Sample No.	: S1 / 2a09 – 4269
Date Tested	: 11 / 05 / 2009 – 12 / 05 / 2009		
Tested By	: LJL		

Client References:

Project No.	: IQC
Project Name	: INTERNAL QUALITY CHECKING
Sender's Ref. No.	: VIALLI GROUP – GERMANY
Client	: MINCOM TRADING L.L.C.
Address	: DUBAI, UAE
Consultant	: HORIZON INTERNATIONAL CONSULTING ENGINEERS
Contractor	: NO SPECIFIED CONTRACTOR

1.0 Scope of Work :

To evaluate the effect of the 24-hour pressure test (10 bar) at 95°C to *Vialli* PPR and fittings as per Client's Technical Procedure.

2.0 Introduction :

Polypropylene random (PPR) copolymer is a unique semi-crystalline polymer which is known for its high stiffness, better impact strength and good electrical insulation properties. This material is widely use for manufacturing pipes in order to achieve high endurance at extreme conditions. This pressure test was done to evaluate the physical change that happened to the sample at the specified test condition.

3.0 Sample Details :

- Sample Description : *Vialli* PPR and Fittings
- Sampled by : VIALLI GROUP - GERMANY
- Sampling Date : Not Given
- Sample Brought In by : Client
- Sample Receiving Date : 09/05/2009

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4.0 Sample Preparation Details:

No further sample preparation was done. The sample submitted by the client was treated as the test specimen. Preliminary checking for leakages and deformation was done prior to testing.

5.0 Equipment Used :

- Water Pressure Gauge

6.0 Test Procedure:

The sample was connected to a water tank with an outgoing pressure of 10 bar as indicated by the water pressure gauge. The temperature of the water in the tank was maintained at 95°C during the test was conducted. The investigation was carried out for 24 hours and the sample was evaluated for any physical changes and leakages after the analysis.

7.0 Test Results :

During the preliminary testing, no leakage and deformation was observed.

After the 24-hour pressure test, still no leakage and deformation was observed. No corrosion was detected on the metal part of the fittings.

In conclusion, the sample did not exhibit any significant physical change after the analysis was conducted.

8.0 Remarks :

Test was requested by Engr. Mohammad Wajih Karaal, Senior MEP Engineer from Horizon International Consulting Engineers.

* Results relates only to the samples tested.

* Test reports shall not be reproduced (except in full) with out the written approval of the laboratory.



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