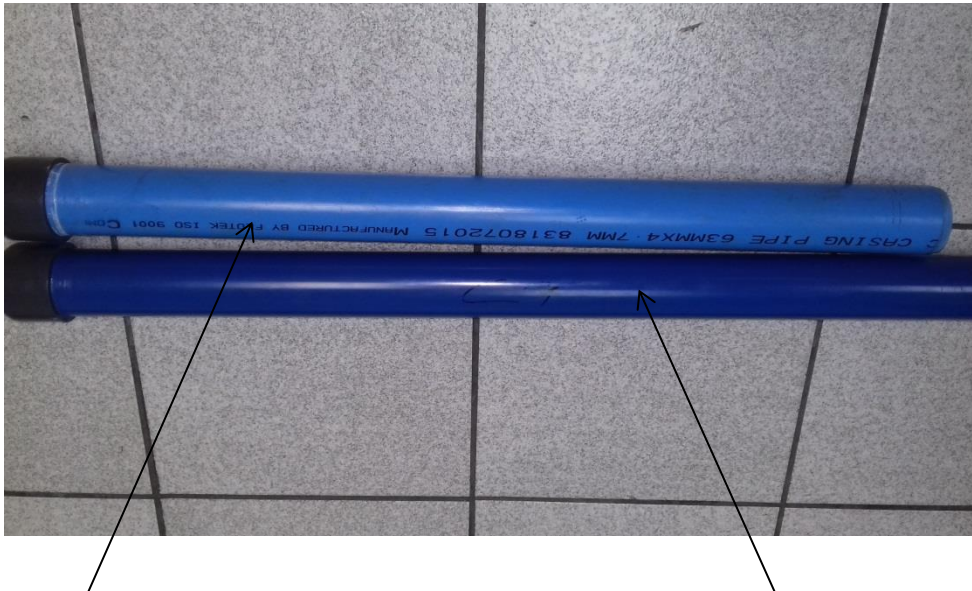


## **PVC GLUE SAMPLE PRESSURE SYSTEMS**

We received a sample of the above Glue for test in the laboratory. The sample was for pressure systems applications and was provided with pipe and two fittings to be glued on the pipe.

Two pipes were tested after gluing the end caps at 16 bars for one hour. The other pipe was a DPI pipe of the same dimensions and class as the one provided with the glue sample .Below is a picture of the glued samples tested.



***Sample provided with the glue***

***DPI sample tested with provided end cap***

On the first pipe the pressure ran for a period of one hour without noticing any leaks. After the test was noticed that the end cap was moved slightly as the test was going on. We further tested a second sample with a DPI pressure pipe using the same test conditions as the first sample and no failures or sign of delamination was witnessed after the test. The white area seen on the end cap on the first sample shows the delamination on the first sample.

### **Conclusion and Recommendations.**

Based on the result obtained on the second sample, we can conclude that the glue can be used for pressure applications. The delamination noted on the first sample could have been caused by

- Area that did not have enough glue , non-uniform spread of glue and resulted in a weak area

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