

"I started selling **FloPlast** fittings over six years ago in the New England and New York territory and have not had a single fitting or valve returned. When I first look at **FloPlast** my initial reaction was how well would these plastic fittings and valve hold up in the field. I decided to run some tests to see how well these fittings and valves were made. My first concern was what type of burst resistance could these fittings and valves withstand. The **FloPlast** catalog states the burst resistance is rated at 585 psi. I own a quick burst machine, made by Wheeler Rex, and decided to do a burst test with a 1" **FloPlast** compression CTS coupling connected to two pieces of 1" Silverline Plastic blue CTS tubing and two 1" **FloPlast** male adapters connected on both ends. I tested the fittings up to 500 psi and nothing happened. I then returned to zero psi and brought it back up to 580 psi and noticed a small dripping leak from the coupling. I raised the pressure to 600 psi and all three fittings started to slowly leak. I then returned the pressure back to zero and brought the pressure back to 500 psi with again no leaks. I then increased the pressure to 585 psi and sure enough the coupling and the adapters started leak the same way as test before. The burst test passed with flying colors with the fittings leaking at 585 psi just as the **FloPlast** catalog stated. **FloPlast** CTS fitting and IPS fitting are designed to be installed underground for water tubing service lines. Located in an area that can have severe winter temperatures I needed to make sure the **FloPlast** fittings and valves could handle sub zero freezing temperatures. After all winter temperatures in New England and New York state can produce frost depths as deep as four to five feet. My first test was to subject the **FloPlast** fittings to dry ice which I have been told exceeds 100 degrees below zero and I let the fittings stay in the dry ice chest for over five hours before taking them out and throwing them on a concrete floor where both proceeded to shattered into several pieces. This test failed. I then left the **FloPlast** fittings in my freezer for over two weeks. My freezer is rated at zero degrees. I took the fittings out of the freezer and threw them on the concrete floor and watched them both bounced up and down a few times but good news they did not break. You could see where the fittings made contact with the floor but did no structural damage to either fitting. This test passed and is the more realistic test of the two. The last test I performed was what I call a pull resistance test. I rigged a steel tripod that allowed me to hang two and half feet of 1" CTS Silverline Plastic tubing that was attached by two 1" **FloPlast** CTS male adapter. I then added over three hundred pounds lead ingot and left the tripod in my office for over thirty days while swinging the pipe back and forth periodically with never having the lead weights fall. Buy the way the **FloPlast** fitting were applied hand tight. That's right these fittings held over 300 lbs and the fittings were hand tightened. In conclusion I feel **FloPlast** fittings and valves are a superior product that make sense to use in applications for water service lines or sewage laterals that require either CTS or SDR 11 IPS fittings or valves. I have had success in the market place with the SDR 11 fitting applications however the CTS fittings have been a struggle due to the big word change however we are now seeing some interest due to the high cost of brass compression and flare fittings. I have faith that in due time we will succeed in the water service fitting market. Hang in **FLOPLAST** your time is a coming. Thanks,"

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