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Test Report

MIDCO Joint Restraint System on HDPE (polyethylene) pipe

MIDCO Joint Restraint System has been previously tested to ASTM F1674 and successfully used on PCV (IPS and C900) pipe, for over 30 years. The purpose of this test was to determine the viability of using the MIDCO Joint Restraints with approved stiffeners on HDPE (polyethylene) pipe.

The HDPE sample sizes selected for this test were 6" and 12" (SDRs 11, 13.5, 17). The stiffeners used were 304 stainless steel, which are included in the MIDCO HDPE Joint Restraint Kit or sold individually by MIDCO. For each pipe size, the test pressure was essentially 2x the working pressure rating of the pipe, which was held for 5 minutes. This test was repeated 3 times for each pipe size. In each of the tests and for all of the pipe sizes, it was observed that there was no leakage around the joints and no movement of the joint restraints. In all cases, the joint restraints retained their originally installed position and grip on the pipe.

Based upon our testing and application experience, we recommend the use of the MIDCO Joint Restraints on HDPE (polyethylene) pipe.

Respectfully submitted,



George Westhoff, Jr.

President