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Polymold Labs.

May 10, 2004

Re: Testing of Polylok's new 20" All-In-One Distribution, Drain, Valve & Meter Box
P/N 3017-20

To Whom It May Concern:

This Report documents the results of the testing performed on the new Polylok 20" All-In-One Distribution, Drain, Valve & Meter Box on May 10, 2004. It was tested using both a solid flat cover (P/N 3009-FC) and a grate (P/N 3017-G20) secured in place with 6- #10 SS screws. The testing was conducted at the Polymold Laboratory in Cheshire, CT.

The box and both the cover and grate are manufactured from High Density Poly Ethylene (HDPE). The HDPE also has a UV-8 Protection Package included which helps prevent the suns ultra violet rays from weakening the material.

Each box was placed in a custom testing unit. Each box was subjected to a side loading. A deflection was noticed at 200 lbs. with a complete failure at 750 lbs.

Both cover and grate were then load tested. A 6" dia. disc was placed central on each cover and grate a load was applied on the center of the disc. A deflection of 1/2" was noticed at 1000 lbs. Products were then test up to 3000 lbs. A significant deflection was noticed but products did not suffer catastrophic failures.

Each cover and box were then tested using a 10 lbs. steel dart dropped from a height. The cover and box showed no signs of failure to a height of 5.5 ft.

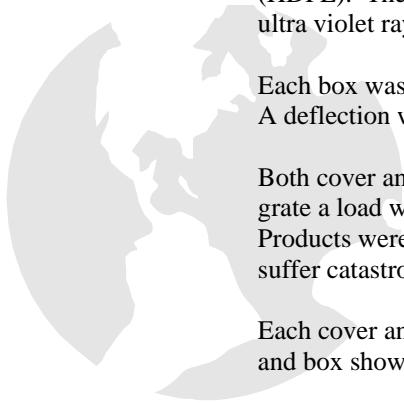
I can attest that throughout all of the above testing the new Polylok 20" All-In-One Distribution, Drain, Valve, & Meter Box can meet a minimum of 1000 lbs.

The new Polylok 20" All-In-One Distribution, Drain, Valve, & Meter Box was also tested for failure. It required 2500 lbs of pressure before catastrophic failure.

Should you have any questions regarding this testing, please do not hesitate to contact my office.

Sincerely,

Charles L. Brix
203-272-4470



October 8, 2009
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