

Technical Note PP 843 - TN 6500 Test Report for DriscoPlex® 6500 Tapping Tees

Pressure Testing

Quick Burst testing per ASTM D2513/ 49CFR192

Testing conducted by Performance Pipe laboratories

Fusion joints prepared in accordance with Performance Pipe 750 'Heat Fusion Joining Procedures and Qualification Guide'.

Requirements: Short Term Rupture must be ductile

Results:

3 samples met ductile rupture at 680psi in 64 seconds

3 samples met ductile rupture at 700psi in 65 seconds

PASS

80°C sustained pressure test per ASTM D2513

Testing conducted by Performance Pipe laboratories

Requirements: >170 hours at 80°C, 670psi

Results:

6 samples >200 hours at 80°C, 750psi with no failures

PASS

Temperature Cycle Pressure Testing

Temperature Cycling Test per ASTM F1924

Testing conducted by Microbac Laboratories, Inc.

Requirement 1:

Low pressure (7 psi): 10 cycles alternating between -20°F and at 140°F, holding pressure for a minimum of 2.5 hours at each temperature and checking for leaks.

Results:

6 samples completed in 10 full cycles with no leakage

Requirement 2:

High pressure (187.5 psi) 10 cycles alternating between -20°F and at 140°F, holding pressure for a minimum of 2.5 hours at each temperature and checking for leaks

Results:

The same 6 samples completed 10 full cycles with no leakage.

PASS



Tapping Testing

Testing conducted by Performance Pipe laboratories

Taps were conducted on the heaviest wall thickness for all size mains.

All tests passed with the exclusion of 6" DR 9 main size. The 6" DR 9 main will be supplied with a new XL9 cutter so that the change is seamless to the customer.

Sidewall Fusion Testing

Sidewall fusion knock-off testing performed in accordance with ASTM F905 'Qualification of Polyethylene Saddle Fused Joints'.

Testing conducted by Microbac Laboratories, Inc.

Fusion joints prepared in accordance with Performance Pipe 750 'Heat Fusion Qualification Guide'.

Requirements: No failure in the fusion joint.

Results:

6 samples passed the requirement.

PASS