

CEJN AB
Box 245
541 25 Skövde
Sweden

Brøndby, 2014.06.26
Order 114-23372.01b
Prep. by EKB/hld
Page 1 of 2

Test Report

Object: Test of CEJN compressed air supply tubes for compliance to EN 14593:2005 and EN 14594:2005. § 6.8 and 6.12.1 - 6.12.9.

Samples received: 2014.04.22

Sample description: 2 samples of 10 m green compressed air supply tube PVC ID 3/8", product number 19 900 9909 with attached quick connect couplings 10 344 1004 and 10 344 5004. The tube was marked: CEJN Max WP 15 Bar Min BP 60 Bar EN14593/14596 2013 166348

Method: EN14594:2005. § 7.2, 7.7.1, 7.6, 7.8.2, 7.10, 7.11, 7.12 and EN ISO 8031.

Test period: 2014.04.28 to 2014.06.13.

Results:

The tests are listed according to requirements in EN14594:2004. At the time of testing Accreditation 65 did not cover clauses marked with *.

§ 7.7.1 Storage conditioning

Before any other testing the tubes were conditioned 11 hrs at 60°C and 95% R.H followed by 11 hrs at -30°C.

§6.12.1 Resistance to kinking

With a supply pressure of 3,5 bar 120 l/min was passed through each tube and they were exposed to the kinking. No reduction in flow was observed. The tube did not visually kink.

§6.12.2 Resistance to collapse

With a supply pressure of 3,5 bar 120 l/min was passed through the tube and exposed to the 1000 N load (compression). No reduction in flow was observed.

§ 6.12.3 Strength

A 1000N force was applied for 5 min to the tubes, the female-CEJN coupling was connected to a fixture with CEJN coupling. No damage occurred but 100 cm of each tube was 105 cm long 5 min after test. The tubes were leaktight before and after the test.

§6.12.4 Flexibility

The tube was pressurised to 15 bar and without difficulty wound around a cylinder of 300 mm diameter.

Extracts from the test report may only be reproduced with a written permission from the FORCE Technology. The test results relate only to the items tested. The "General Conditions" on the reverse page are an integral part of our services.

§6.12.7 Couplings

The tube was fitted with CEJN safety couplings, the female was self sealing.

§6.12.8 Resistance to air pressure

The tube was hydrostatically pressurised to 30 bar for 15 min. During and after the test there was no visible damage or deformation, except the tube may have been slightly longer during test.

§6.20 Leaktightness

At required times during the testing the tubes were tested for leaktightness by serial coupling of two tubes and dipping the coupling in water while the tubes were pressurised to 15 bar.

Conclusion

The samples of CEJN compressed air supply tube PVC ID 3/8", product number 19 900 9909 with attached quick connect couplings 10 344 1004 and 10 344 5004 as tested fulfilled relevant requirements of EN 14594:2005 §6.12 class B and EN 14593:2005 §5.15.

FORCE Technology
Chemistry and Plastics

A handwritten signature in blue ink, appearing to read "Thomas Clemensen".

Thomas Clemensen
Technician

A handwritten signature in blue ink, appearing to read "Erik Bjarnov".

Erik Bjarnov
Specialist, Ph.D.