

R&D TEST REPORT

Filoform B.V.
 De Kraaldert 2
 NL-4191 PH Geldermalsen
 T: +31 (0) 345 58 82 20
 E: info@filoform.com
 W: www.filoform.com

Period of examination : 05-07-2019
Subject of the test : FF duct seals in combination with Hans Folsgard Denmark cables
Performed test : Standard FF test procedures
Test description : Gas and Water tightness 0.5bar/24hours
Number of pages : 2
Annexes : 1
Test performed by : L. Bakx (Assistant Product Manager R&D)
Date : 19-07-2019

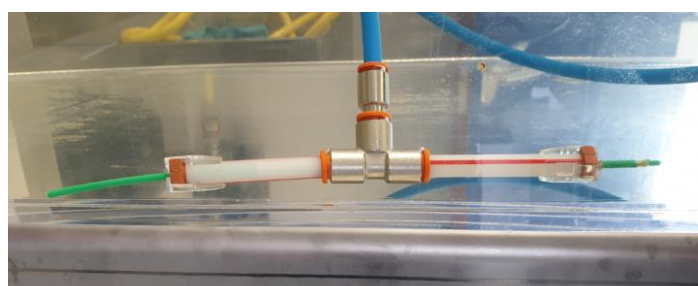
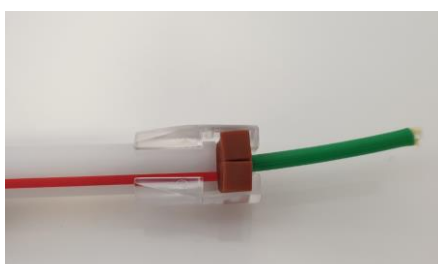
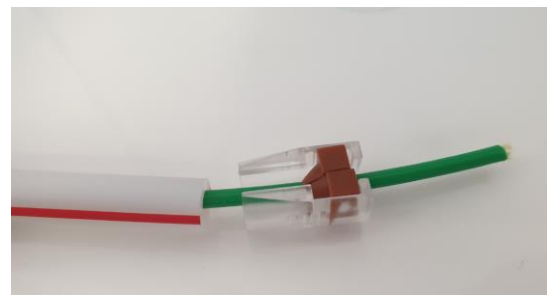
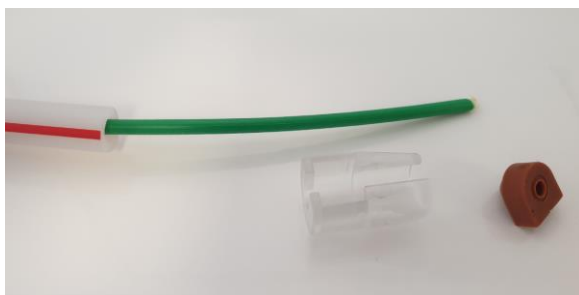
1. Introduction, summary

This test report describes a standard test which have been performed to indicate gas and water tightness of Filoform’s 10mm miniduct seal, carried out with cables and ducts deccribed further on in this report.

2. Used materials

Sample	FF Article	Duct identification	Duct size OD/ID	Particularities	Cable identification	Cable size OD	Particularities
1	823557.4	White, no id visible	7/3.5mm	Axial ribbed interior	HF green, no id visible	2.5mm	Axial ribbed exterior
2	8235510.33	White with red axial stripe	10/6mm	Axial ribbed interior	HF green, no id visible	3.3mm	Axial ribbed exterior
3	8235510.21	White wit axial red stripe	10/6mm	Axcial ribbed interior	HF green, no id visible	2.5mm	Axial ribbed exterior

3. Photo’s from assembly and tests



4. Description of test

The test is being performed using a universal test machine in Filoform's laboratory.



The samples are immersed in a bath of water and the interior of the configuration is air pressurized to a pressure of 0.5 bar for a period of 24 hours.

In this way, it is possible to observe properly, whether any form of leakage occurs because air bubbles would then arise.

Based on this test method it can be determined whether this combination of products is suitable for use in the field.

5. Test results

The gas and water tightness test at 0.5bar for 24 hours was successfully completed. No leakage of any kind occurred during any moment during the test.

Sample	FF Article	Duct size OD/ID	Cable size OD	Test Result
1	823557.4	7/3.5mm	2.5mm	PASSED
2	8235510.33	10/6mm	3.3mm	PASSED
3	8235510.21	10/6mm	2.5mm	PASSED

The values given in this report were truly measured, based on installation in accordance with our installation instructions (annex A). However, values achieved in field installations may depend on proper installation and may vary depending on tolerances in cable and duct diameters, composition tolerances of the cable sheathing material etc. Therefore no rights can be obtained from the contents of this report.

These duct seals have been designed to seal around round cables with a smooth outer sheath. In case of textures on the outer cable sheet / exterior of the fiber unit, sealing might not work / not achieve full gas & water tightness. In case of doubt in regards to compatibility, Filoform is offering a free of charge pressure test based on customers actual duct and cables / fiber units.

Filoform Research & Development
L. Bakx (Assistant Product Manager)
Date: 19-07-2019

L. Bakx

miniduct seal
7mm / 2,5mm

FILO form
connect ▶ seal ▶ protect ▶

art.nr 823557.4 **10 pc.**
www.filoform.com
www.filoform.co.uk

1
2
3
4
5

← 2,5mm
← 7mm

versie 21-08-2017

Miniduct seal
10mm / 2,1mm

FILO form
connect ▶ seal ▶ protect ▶

art.nr 8235510.21 **100 pc.**
www.filoform.com
www.filoform.co.uk
www.filoform.de

1
2
3
4
5

← 2,1mm
← 10mm

versie 28-06-2018

Miniduct seal
10mm / 3,3mm

FILO form
connect ▶ seal ▶ protect ▶

art.nr 8235510.33 **100 pc.**
www.filoform.com
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www.filoform.de

1
2
3
4
5

← 3,3mm
← 10mm

versie 28-06-2018