

Kiwa GmbH
TBU
Gutenbergstraße 29
48268 Greven

Tel. +49 (0)2571 9872 0
Fax +49 (0)2571 9872 99
infokiwagreven@kiwa.de
www.kiwa.de

Test Report No. 1.1 / 11560 / 1201.0.1-2016e

General

Issued : 26 October 2017

Order by : **BPA-GmbH**
Behringstrasse 12
71083 Herrenberg-Gültstein, GERMANY

Material : PP swell nonwoven (white) with one sided PE foil (silver)
SilverSeal
(declaration by customer)

Order date : 17 February 2017

Samples delivered : 17 October 2016

Tests	Standard	Issue	Results as Enclosure No.
1. Determination of resistance to hydrostatic pressure	ASTM D 5385	2014	A1

The results apply exclusively to the specimens submitted.
The date of testing is reported on the enclosed enclosure/-es.
Results are reported to the accuracy given in the standards. In statistical evaluation, the measured accuracy is taken.

This test report contains 2 pages and 1 enclosure/-es (enclosure/-es A1).
It may not be published in parts.

■ **Test Report No. 1.1/11560/1201.0.1-2016e page 2**


Summary of results

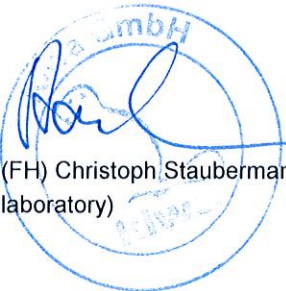
Date / Ref. : 26 October 2017 / mk


Order by : BPA-GmbH , Behringstrasse 12 , 71083 Herrenberg-Gültstein, GERMANY

Material : PP swell nonwoven (white) with one sided PE foil (silver)
SilverSeal
(declaration by customer)

Test	Standard	Unit	Mean X	Standard- deviation s	Coef. of variation v in %
Determination of resistance to hydrostatic pressure	ASTM D 5385 2014	m	69	-	-

■ 
i.V. Dipl.-Ing. (FH) Christoph Staubermann
(Head of test laboratory)




i.V. Matthias Käsekamp, B. Eng.
(Deputy head of test laboratory)



Determination of resistance to hydrostatic pressure ASTM D 5385 (2014)

Test Report No. : 1.1/11560/1201.0.1-2016
Company : BPA GmbH
Material : SilverSeal
Operartor : dw /sh

Date: 03.05.2017

Test parameters

Thickness of membrane : > 1,5 mm (declaration by customer, foil and swell nonwoven)
 Test temperature : 5 °C
 Number of specimen : 3
 Width of kerf : 3,2 mm
 Hydrostatic pressure range : 0 to 690 kPa
 Pressure steps : 103 kPa
 Observation time for each step : 1 h

Results

Sample No.	Passed hydrostatic pressure step [kPa]	Passed head of water [m]
1	690	69,0
2	690	69,0
3	690	69,0
Mean value	690	69,0
Standard deviation	-	-

No leakage could be detected with a load of 690 kPa for 1 h.
 This correspond to a head of water of 69 m.

Note : -