

Hohenstein Laboratories · Schloss Hohenstein · 74357 Bönnigheim

**Hohenstein Laboratories
GmbH & Co. KG**

Interlink International BV

Maubroekstraat 4
6015 RS NEERITTER
NETHERLANDS

Schloss Hohenstein
74357 Bönnigheim · Germany

Consumer Tests
Phone +49 7143 271 201
Fax +49 7143 271 94 201
c.doege@hohenstein.de

Client no. _____	Contact person C.Doege	Our ref. CD	Date 13. February 2015
---------------------	---------------------------	----------------	---------------------------

Test report No. 14.2.20.11807/I

Client:	See address
Test sample:	One compression stocking, item "Eko Zilver, compression class II", item No. 6020, size AD 22-24,5 (33-37/38-43)
Aim of test:	Examination into compressive properties according to RAL-GZ 387/1:2008-01 ^A , section 3.6.2 to 3.6.5
Date of order:	08.10.2014
Receipt of order:	09.10.2014
Receipt of test samples:	09.10.2014
Period of testing:	14.10.2014
Preliminary results:	16.10.2014
Sampling:	The test sample has been delivered to us by the client.

The test report comprises 3 pages and a set of tables of 3 pages.

Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren – im Bericht mit ^A gekennzeichnet.

The accreditation applies for the test methods listed in the certificate – marked ^A in the report.



Gründungsmitglied der Internationalen Prüfgemeinschaft für angewandten UV-Schutz (UV Standard 801)

Es gelten unsere Allgemeinen Geschäftsbedingungen:
Our terms of business shall apply:
www.hohenstein.de/pdf/agb.pdf

Telefon / Phone
+49 7143 271 0
Fax +49 7143 271 51
info@hohenstein.de
www.hohenstein.de

USt-IdNr.
VAT REG No.
DE815128169

Hohenstein Laboratories GmbH & Co. KG · Registergericht Amtsgericht Stuttgart HRA 724658
Persönlich haftender Gesellschafter: Schloss Hohenstein Beteiligung GmbH HRB 723320
Sitz der Gesellschaft ist Bönnigheim · Geschäftsführer: Prof. Dr. Stefan Mecheels
Hohenstein Laboratories GmbH & Co. KG · Court of Registration County Stuttgart HRA 724658
personally liable associate: Schloss Hohenstein Beteiligung GmbH HRB 723320 ·
company headquarter is Boennigheim · Managing Director: Prof. Dr. Stefan Mecheels

METHODS

COMPRESSION TEST

■ Pre-treatment

The samples are washed once in accordance with DIN EN ISO 6330/4G:2013-02 and dried flat at room temperature (procedure C of this standard). Then the samples are laid out for 24 hours in normal conditions in accordance with DIN EN ISO 139:2011-10, Section 3.1.

■ Elongation, pressure and residual pressure

Number of tested samples : 1

The test is carried out at $(20\pm 2)^\circ\text{C}$ and $(65\pm 5)\%$ relative humidity, using the Compression Measurement System Hohenstein (HOSY).

The 6th load curve is evaluated. The results are shown in table and diagram form. Each table also contains the specified length and circumference measurements.

Note:

For the test with HOSY, the joint between the knitted fabric and the top edge of the stocking is located at the nearest joint between two clamps.

In the tables, the values shown for the uppermost measuring point are those from the clamp which is holding only the knitted fabric. On the pressure profile sheet, this measuring point is shown at the height that was actually specified (end of the stocking).

SIZING

■ Length

The length measurements given for the uppermost measuring point vary up to 15 %. This means that under Section 4.5.2 of RAL-GZ 387-1:2008-01A only measurements of the average length are required.

■ Circumferences

The smallest and largest circumference measurements vary by more than 10 %. Therefore the samples are first tested at the minimum circumference measurements and immediately after it at the maximum.

RESULT

With pressure values of 3,71 kPa respectively 4,17 kPa at measuring point B for the minimum and maximum circumference sizes, the article is in compression class II.

For both the minimum and maximum circumference measurements, the residual pressure is not higher at any measuring point than at the measuring point below.

For both the minimum and maximum circumference measurements, the residual pressure values at measuring points B1 to D are within the range limited by the values in Table 8 of RAL-GZ 387/1:2008-01^A.

For the minimum circumferences the pressure profile between measuring points B and B1 is slightly underneath the residual pressure range. This is not a deviation from of RAL-GZ 387/1:2008-01^A.

For the maximum circumferences, the increase in residual pressure at the upper edge of the stocking is within the permitted range.

CONCLUSION

The stocking complies with the test and evaluation guidelines concerning its compressive behaviour.

Schloss Hohenstein, 13. February 2015

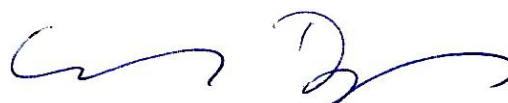
Director of the department
Consumer Tests



Dipl.-Ing. (FH) Florian Girmond



Division medical compression textiles
Consumer Tests



Dipl.-Ing. (FH) Christine Doege

Das Ergebnis bezieht sich nur auf die eingereichten Prüfgegenstände. Der Bericht darf nicht auszugsweise, sondern nur in seinem vollen Umfang weitergegeben werden. Eine Benutzung des Berichts zu Werbezwecken oder die Veröffentlichung freier Interpretationen der Ergebnisse ist nur mit ausdrücklicher Genehmigung der Hohenstein Institute zulässig. Rechtsverbindlich ist der im Original unterschriebene Bericht. Die vom Kunden übergebenen Unterlagen bzw. Materialien, insbesondere Prüfgegenstände, werden, soweit die Beschaffenheit dies zulässt, 3 Monate bei uns aufbewahrt. Für den gesetzlich geregelten Bereich der Persönlichen Schutzausrüstung gilt eine Aufbewahrungsfrist von 10 Jahren.
The results relate only to the test samples submitted. This report must only be reproduced in full and not in extract form. Use of the report in advertising or the publication of free interpretations of the results is only allowed with the express permission of the Hohenstein Institute. Only the signed original report is legally binding. Documents and materials delivered by the client, especially test samples, will be retained by us for 3 months, provided their condition allows it. For Personal Protective Equipment (PPE), which is regulated by law, a retention period of 10 years is applicable.

Compression Measurement System Hohenstein	
Orderer:	Interlink International B.V.
Item:	No. 6020 - Eko Zilver (Ccl.2)
Manuf. size:	AD 22-24.5 (33-37/38-43) # III
Special details:	with cuff - min. circumferences

Pos.	Measurement		Wear stretch (%)	Tension (N/cm)	Pressure (kPa)	Residual pressure (%)
	Circ. (cm)	Height (cm)				
B	22.0	12.0	34.0	1.30	3.71	100.0
B1	27.0	23.0	34.8	1.20	2.79	75.2
C	34.0	33.0	45.2	1.37	2.54	68.6
D	33.7	37.0	40.4	1.18	2.20	59.3
1	22.4	7.0	25.9	.91	2.56	68.9
2	22.0	12.0	34.0	1.30	3.71	100.0
3	23.2	17.0	29.7	1.17	3.17	85.5
4	26.2	22.0	33.0	1.18	2.82	76.1
5	30.4	27.0	42.5	1.31	2.71	73.0
6	33.7	32.0	46.1	1.41	2.62	70.6
7	33.7	37.0	40.4	1.18	2.20	59.3
8	33.0	42.0	40.8	1.15	2.20	59.3

Compression Measurement System Hohenstein	
Orderer:	Interlink International B.V.
Item:	No. 6020 - Eko Zilver (Ccl.2)
Manuf. size:	AD 22-24.5 (33-37/38-43) # III
Special details:	with cuff - max. circumferences

Pos.	Measurement		Wear stretch (%)	Tension (N/cm)	Pressure (kPa)	Residual pressure (%)
	Circ. (cm)	Height (cm)				
B	24.5	12.0	49.2	1.63	4.17	100.0
B1	31.0	23.0	54.7	1.58	3.20	76.6
C	38.0	33.0	62.4	1.72	2.85	68.3
D	37.7	37.0	56.9	1.50	2.49	59.7
1	25.1	7.0	40.6	1.22	3.06	73.3
2	24.5	12.0	49.2	1.63	4.17	100.0
3	26.3	17.0	47.0	1.53	3.65	87.4
4	30.1	22.0	52.8	1.55	3.24	77.6
5	34.6	27.0	62.0	1.70	3.08	73.8
6	37.7	32.0	63.5	1.76	2.94	70.3
7	37.7	37.0	56.9	1.50	2.49	59.7
8	37.0	42.0	57.8	1.57	2.66	63.7

Compression Measurement System Hohenstein

Orderer: Interlink International B.V.
Item: No. 6020 - Eko Zilver (Ccl.2)
Manuf. size: AD 22-24.5 (33-37/38-43) # III
Special details: with cuff

