

TEST REPORT

No. : SHIN1606028215MR

Date : Jun 17, 2016

Page: 1 of 6

CUSTOMER NAME: RGP CORPORATION (M) SDN BHD
 ADDRESS: NO.21 JALAN APOLLO U5/194, SEKSYEN U5, BANDAR PINGGIRAN
 SUBANG, 40150 SHAN ALAM, SELANGOR DARUL EHSAN, MALAYSIA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : Cable seal 1.5D
 SGS Ref. No. : SHIN1606028206PS
 Date of Receipt : Jun 12, 2016
 Testing Start Date : Jun 12, 2016
 Testing End Date : Jun 17, 2016
 Test result(s) : For further details, please refer to the following page(s)

Signed for
 SGS-CSTC Standards Technical
 Services (Shanghai) Co., Ltd.

Daisy Gao

Daisy Gao
 Authorized signatory



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 www.sgs.com.cn
 中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 e sgs.china@sgs.com

TEST REPORT

No. : SHIN1606028215MR

Date : Jun 17, 2016

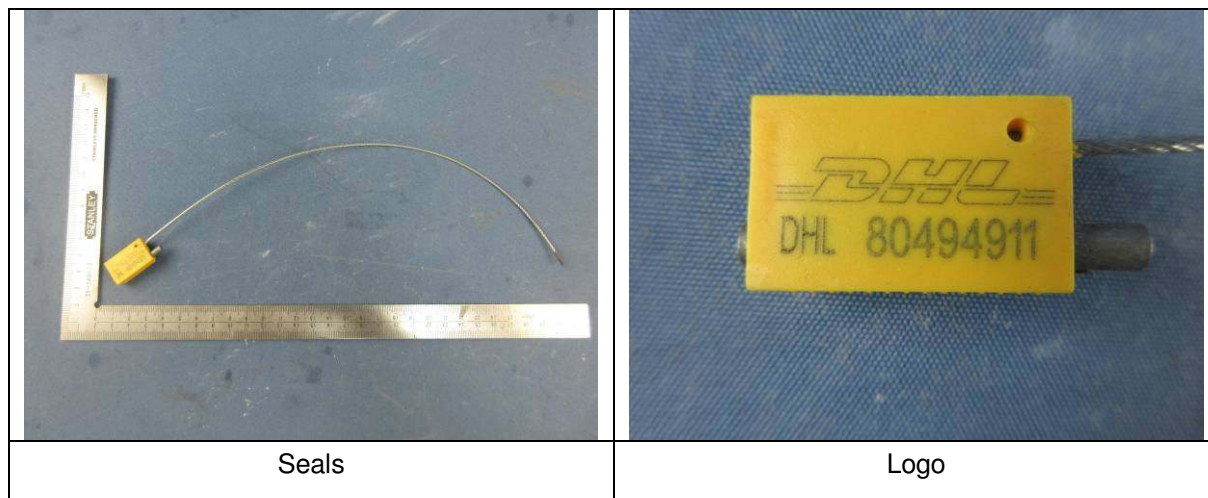
Page: 2 of 6

Summary of Results:

No.	Test Item		Test Method	Result	Conclusion
1	Tensile Test	Load to Failure	ISO 17712:2013 Section 5.2	3.07kN	/
		Seal Classification		S	
2	Shear Test	Load to Failure	ISO 17712:2013 Section 5.3	1.20kN	/
		Seal Classification		I	
3	Bending Test (Flexible seals)	Cycles to Failure (Flexible seals)	ISO 17712:2013 Section 5.4	501	/
		Seal Classification		H	
4	Impact Test		ISO 17712:2013 Section 5.5	See result	/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Sample Photo:



Seals

Logo



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 www.sgsgroup.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 e sgs.china@sgs.com

TEST REPORT

No. : SHIN1606028215MR

Date : Jun 17, 2016

Page: 3 of 6

1. Test Item: Tensile Test

Sample Description: Seals

Test Method: ISO 17712:2013 Section 5.2

Test Condition:

Testing speed: 50.8mm/min

Lab Environmental Condition: 23±2℃, 50±5%RH

Test Result:

Test Item	1	2	3	4	5	Average Value
Load to Failure, kN	2.472	2.497	2.483	2.424	2.305	2.44
Seal Classification	S					

Tensile Test Seal Classification Requirements:

Load to Failure, kN	Seal Classification
10.0	"H" (High-security seal)
2.27	"S" (Security seal)
<2.27	"I" (Indicative seal)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 www.sgsgroup.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 e sgs.china@sgs.com

TEST REPORT

No. : SHIN1606028215MR

Date : Jun 17, 2016

Page: 4 of 6

2. Test Item: Shear Test

Sample Description: Seals

Test Method: ISO 17712:2013 Section 5.3

Test Condition:

Testing speed: 12.5mm/min

Lab Environmental Condition: 23±2℃, 50±5%RH

Test Result:

Test Item	1	2	3	4	5	Average Value
Load to Failure, kN	1.292	1.164	1.218	1.122	1.025	1.16
Seal Classification	I					

Shear Test Seal Classification Requirements:

Load to Failure, kN	Seal Classification
3.336	“H” (High-security seal)
2.224	“S” (Security seal)
<2.224	“I” (Indicative seal)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 www.sgsgroup.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 e sgs.china@sgs.com

TEST REPORT

No. : SHIN1606028215MR

Date : Jun 17, 2016

Page: 5 of 6

3. Test Item: Bending Test (Flexible seals)

Sample Description: Seals

Test Method: ISO 17712:2013 Section 5.4

Lab Environmental Condition: 23±2℃, 50±5%RH

Test Result:

Test Item	1	2	3	4	5	Average Value
Cycles to Failure (Flexible seals)	501	501	501	501	501	501
Seal Classification	H					

Bending Test Seal Classification Requirements:

Cycles to Failure (Flexible seals)	Bending Moment to Failure (rigid seals), Nm	Seal Classification
501	50	"H" (High-security seal)
251	22	"S" (Security seal)
<251	<22	"I" (Indicative seal)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 www.sgs.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 e sgs.china@sgs.com

TEST REPORT

No. : SHIN1606028215MR

Date : Jun 17, 2016

Page: 6 of 6

4. Test Item: Impact Test

Sample Description: Seals

Test Method: ISO 17712:2013 Section 5.5 and client's requirement

Test Condition:

Dead Blow Weight: 4±0.01kg

High Temperature: 23±2℃

Low Temperature: -27±3℃

Lab Environmental Condition: 23±2℃, 50±5%RH

Test Result:

Specimen No.		1	2	3	4	5
High Temperature Impact Load	If the seal fail or not at 13.56J	No	No	No	No	No
	If the seal fail or not at 27.12J	Yes	Yes	Yes	Yes	Yes
	If the seal fail or not at 40.68J	/	/	/	/	/
Low Temperature Impact Load	If the seal fail or not at 13.56J	No	No	No	No	No
	If the seal fail or not at 27.12J	Yes	Yes	Yes	Yes	Yes
	If the seal fail or not at 40.68J	/	/	/	/	/
Seal Classification		I				

Impact Test Seal Classification Requirements:

Low Temperature Impact Load , J	High Temperature Impact Load , J	Dead Blow Mass Drop Height, m	Seal Classification
40.68	40.68	1.037	"H" (High-security seal)
27.12	27.12	0.691	"S" (Security seal)
<27.12	<27.12	0.346	"I" (Indicative seal)

***** End of report *****



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 www.sgs.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t:(86-21) 61196300 f:(86-21) 68183122/68183920 e sgs.china@sgs.com