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Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue

<u>Date</u>	<u>Vol</u>	<u>Sec</u>	<u>Pages</u>	<u>Revised Date</u>
	1		Revised Index Page(s) 1	2011/07/26
	1		Revised Appendix A1	2011/07/26
2011/07/26	1	2	Add New Proc/Report Sect	

Inspections at your plant will be conducted under the supervision of ROGER WANG, UL INSPECTION CENTER XIAMEN, CHINA NAT'L IMPORT & EXP COM INSP CORP, 10/F, 118 DONGDU RD, XIAMEN, FUJIAN, China, 361012., PHONE: 592-5312595, FAX: 592-5067319, EMAIL: UL939@CCICXM.COM

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to UL's Customer Service Professionals. Contact information for all of UL's global offices can be found at <http://www.ul.com/global/eng/pages/corporate/contactus>.

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NBK File

UL INSPECTION CENTER 939

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Product Designation	Section	Issue Date
SIL4567 EPDM5678 NBR5678	1	2007-02-06
SIL4567A	2	2011-07-26

SPECIAL INSTRUCTIONS

FIELD REPRESENTATIVE:

GENERAL

1. When the inspection is conducted on rubber components described in this Procedure, ascertain from the manufacturer whether any changes have been made in the compound or manufacturing process. Any such changes should be recorded in the Inspection Report.

2. Annually select three slabs, of each compound noted below, measuring approximately 6 by 6 in. in any thickness available. Mark with the appropriate identification (compound designation) and forward to the Follow-Up Service Department, Northbrook.

NOTE: If the compound designation is different than specified in this Procedure, issue a Variation Notice and do not forward samples.

CONFORMITY ASSESSMENT SERVICES - 3016CNBK:

GENERAL

Conduct tensile strength, elongation and hardness tests on samples noted below. Minimum as-received tensile strength and elongation shall be as follows. Additionally, the as-received hardness shall be within the specified range for each compound.

<u>Compound</u>	<u>Tensile Strength and Elongation</u>	<u>Oven Aging</u>	<u>Hardness</u>
SIL4567	1250 psi and 205 percent	70 h at 100°C	65 to 75
EPDM5678	2000 psi and 262 percent	70 h at 100°C	67 to 77
NBR5678	2288 psi and 443 percent	70 h at 100°C	65 to 75
SIL4567A (Natural)	1073 psi and 208 percent	168h at 136°C	51 to 61
SIL4567A (Black)	1132 psi and 230 percent	168h at 136°C	50 to 60
SIL4567A (Blue)	1119 psi and 207 percent	168h at 136°C	53 to 63
SIL4567A (Red)	1138 psi and 215 percent	168h at 136°C	53 to 63

Retention after air oven aging shall be 60 percent for both the tensile strength and elongation.

DESCRIPTION

PRODUCT COVERED:

Component (Not for General Use) - Silicone Rubber Seal Ring, SIL4567A.
GENERAL:

Synthetic rubber compounds are intended for use as seals for stems, and shafts, valve seat discs, gaskets between bolted joints and other similar applications. This gasket compound material is intended for use as a seal ring in water pump and other similar types of equipment.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in products where the acceptability is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. Compound SIL4567A is suitable for use in UL1703 and UL507 motor-operated water pump applications. Temperature range of -40C to 105°C.
2. The final application should be reviewed to determine whether the test results included in this Report are compatible for the final use device and whether operation, leakage or other mechanical tests are required.

MARKING:

Company name, compound designation and UL Recognition Mark on material on a substantial tag, container or smallest package.

SIZE:

The "O" rings are made in various shapes and sizes with varying cross-sectional diameters.

File MH45756
Project 11CA10899

July 26, 2011

REPORT

on

COMPONENT - SEAL RINGS
Xiamen Maifeng Seal Products Co Ltd
Xiamen, Fujian, CN

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DESCRIPTION

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Component (Not for General Use) - Silicone Rubber Seal Ring, SIL4567A.
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Synthetic rubber compounds are intended for use as seals for stems, and shafts, valve seat discs, gaskets between bolted joints and other similar applications. This gasket compound material is intended for use as a seal ring in water pump and other similar types of equipment.

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2. The final application should be reviewed to determine whether the test results included in this Report are compatible for the final use device and whether operation, leakage or other mechanical tests are required.

MARKING:

Company name, compound designation and UL Recognition Mark on material on a substantial tag, container or smallest package.

SIZE:

The "O" rings are made in various shapes and sizes with varying cross-sectional diameters.

TEST RECORD NO. 1

SAMPLES:

A sample of the Compound Silicone Rubber Seal Ring "SIL4567A" as described herein, was submitted by the manufacturer for examination and test.

GENERAL:

Test results relate only to the items tested.

The following tests were conducted.

Compression Set Test:	Sec. 7
Tensile Set Test:	Sec. 8
Hardness Test:	Sec. 9
Low Temperature Test:	Sec. 10
Tensile Strength And Elongation:	Sec. 5, 6 and 11

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standard for Safety for Gaskets and Seals, UL 157 Second Edition.

For original data, see Test Record Supplement T1, Datasheet 1, with the pages of 49.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in UL 157, Standard for Gaskets and Seals, Edition 2, Revision Date 2007/03/12 and therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

CONCLUSION

Samples of the components covered by this Report have been found to comply with the requirements covering the category and the components are found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify the product(s) described as being covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the Recognized Marking on such products which comply with UL's Follow-Up Service Procedure and any other applicable requirements of Underwriters Laboratories Inc. The Recognized Component Mark of Underwriters Laboratories Inc. on the product, or the Recognized Marking symbol on the product and the Recognized Component Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Recognition and Follow-Up Service.

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