

# 宁波众高密封科技有限公司

N I N G B O   Z H O N G G A O S E A L   T E C H O N L O G Y   C O . , L T D



公众号



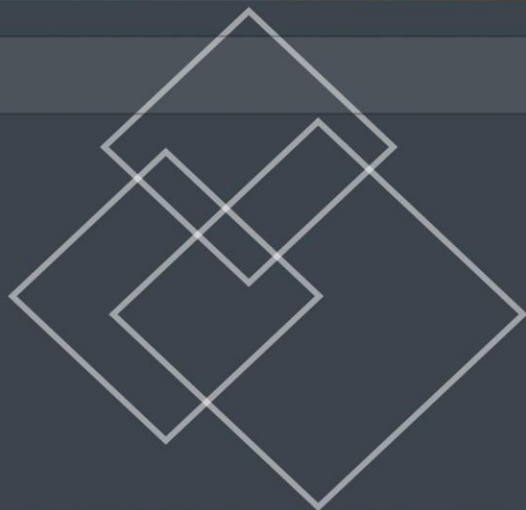
VR场景



宁波众高密封科技有限公司  
Ningbo ZhongGao Seal Technology Co., Ltd.

宁波众高密封科技有限公司

Ningbo ZhongGao Seal Technology Co., Ltd.



# 聚四氟乙烯挡圈



聚四氟乙烯是由四氟乙烯经聚合而成的高分子化合物，具有优良的化学稳定性、耐腐蚀性(是当今世界上耐腐蚀性能最佳材料之一，除熔融金属钠和液氟外，能耐其它一切化学药品，在王水中煮沸也不起变化，广泛应用于各种需要抗酸碱和有机溶剂的工况)、密封性、高润滑不粘性、电绝缘性和良好的抗老化性、耐温跨度大（能在+250℃至-180℃的温度下长期工作）。





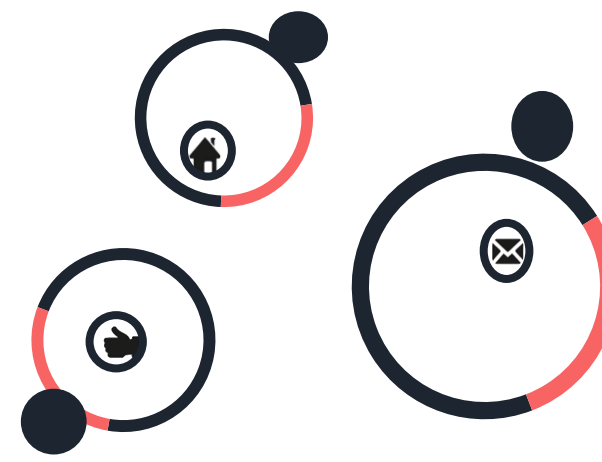
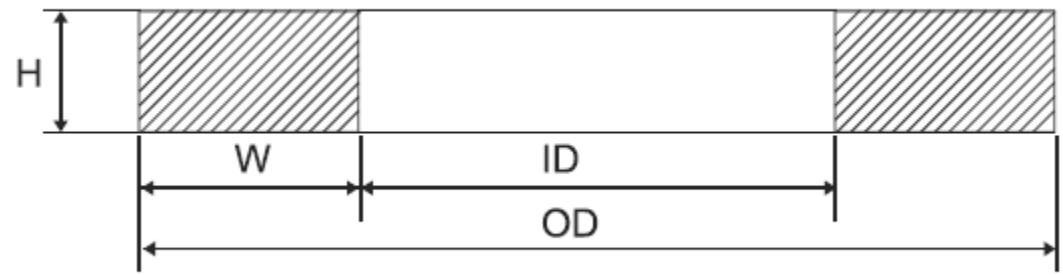
# 应用领域

聚四氟乙烯挡圈本身具有高耐腐蚀，物理性能稳定，耐高低温，成就了它良好的密封性能，在石油、化工、制药、电力、钢铁行业都有广泛的应用。





# 横截面图





宁波众高密封科技有限公司  
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# 规格参数表

## 聚四氟乙烯挡圈参数

Standard No:MS-27595

DASH NO.	ID	T	W	DASH NO.	ID	T	W	DASH NO.	ID	T	W
004	2.03			136	50.90			325	38.02		
005	2.82			137	52.50			326	41.20		
006	3.18			138	54.08			327	44.40		
007	3.96			139	55.68			328	47.57		
008	4.75			140	57.25			329	50.75		
009	5.56			141	58.85			330	53.92		
010	6.35			142	60.43	1.27	2.24	331	57.10		
011	7.92			143	62.03			332	60.27		
012	9.53			144	63.60			333	63.45		
013	11.18			145	65.20			334	66.62		
014	12.78			146	66.78			335	69.80		
015	14.35			147	68.38			336	72.92		
016	15.95	1.27	1.40	148	69.95			337	76.15	1.85	4.70
017	17.53			149	71.55			338	79.32		
018	19.13			210	19.13			339	82.50		
019	20.70			211	20.70			340	85.67		
020	22.38			212	22.30			341	88.85		
021	23.95			213	23.88			342	92.02		
022	25.55			214	25.48			343	95.20		
023	27.13			215	27.05			344	98.37		
024	28.73			216	28.65			345	101.55		
025	30.30			217	30.23			346	104.72		
026	31.90			218	31.83			347	107.90		
027	33.48			219	33.40			348	111.07		
028	35.08			220	35.00			349	114.25		
110	9.50			221	36.58			425	114.35		
111	11.10			222	38.18			426	117.53		
112	12.67			223	41.38			427	120.70		
113	14.27			224	44.55			428	123.88		
114	15.85			225	47.75			429	127.05		
115	17.45			226	50.93			430	130.23		
116	19.02			227	54.10			431	133.40		
117	20.70			228	57.28	1.27	3.02	432	136.58		
118	22.28			229	60.45			433	139.75		
119	23.88			230	63.63			434	142.93		
120	25.45			231	66.80			435	146.10		
121	27.05			232	69.98			436	149.28		
122	28.63			233	73.15			437	152.80		
123	30.23	1.27	2.24	234	76.33			438	158.80	2.74	5.99
124	31.80			235	79.50			439	165.15		
125	33.40			236	82.68			440	171.50		
126	34.98			237	85.85			441	177.85		
127	36.58			238	89.03			442	184.20		
128	38.15			239	92.20			443	190.55		
129	39.75			240	95.38			444	196.90		
130	41.35			241	98.55			445	203.25		
131	42.95			242	101.73			446	215.95		
132	44.55			243	104.90			447	228.65		
133	46.13			244	108.08			448	241.35		
134	47.73			245	111.25			449	254.05		
135	49.33			246	114.43			450	266.75		
				247	117.60						

## 聚四氟乙烯挡圈参数

Standard No:MS-27595

DASH NO.	ID	T	W
451	279.45		
452	292.15		
453	304.85		
454	317.55		
455	330.25	2.74	5.99
456	342.95		
457	355.65		
458	368.35		
459	381.05		
460	393.75		

Standard No:MS-28774

DASH NO.	ID	T	W	DASH NO.	ID	T	W
116	19.43			224	45.01		
117	21.13			225	48.18		
118	22.73			226	51.36		
119	24.31			227	54.53		
120	25.91			228	57.71		
121	27.48			229	60.88		
122	29.08			230	64.06		
123	30.66			231	66.83		
124	32.26			232	70.00		
125	33.83			233	73.18		
126	35.48			234	76.35	1.23	3.03
127	37.06			235	79.53	±	±
128	38.66			236	82.70	± 0.09	± 0.03
129	40.23			237	85.88		
130	41.83			238	89.05		
131	43.41	1.23	2.19	239	92.2		
132	45.01	±	±	240	95.38		
133	46.58	± 0.09	± 0.09	241	98.55		
134	48.18			242	101.7		
135	49.76			243	104.9		
136	51.36			244	108.1		
137	52.93			245	111.3		
138	54.53			246	114.4		
139	56.11			247	117.6		
140	57.35						
141	58.93			325	114.6		
142	60.53			326	41.55		
143	62.10			327	44.78		
144	63.70			328	47.96		
145	65.28			329	51.13		
146	66.88			330	54.31		
147	68.45			331	57.61		
148	70.05			332	60.78		
149	71.63			333	63.96		
210	19.46			334	67.13		
211	21.03			335	70.31		
212	22.63			336	73.48		
213	24.21			337	76.66	1.78	4.65
214	25.81			338	79.83	±	± 0.03
215	27.38			339	83.13	± 0.13	
216	28.89			340	86.31		
217	30.56	1.23	3.03	341	89.48		
218	32.16	±	±	342	92.66		
219	33.88	± 0.09	± 0.03	343	95.83		
220	35.48						
221	37.06						
222	38.66						
223	41.83						
110	9.91						
111	11.48						
112	13.08	1.23	2.19				
113	14.66	±	±				
114	16.26	± 0.09	± 0.09				
115	17.83						





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## 聚四氟乙烯挡圈参数

Standard No:MS-28774

DASH NO.	ID	T	W
344	99.01		
345	102.3		
346	105.5	1.78 ±	4.65 ±
347	108.7	0.13	0.03
348	118.8		
349	115		
425	115.6		
426	118.8		
427	121.9		
428	125.1		
429	128.3		
430	131.5		
431	134.6		
432	137.8		
433	141		
434	144.2		
435	147.3		
436	150.5		
437	153.7		
438	158.8		
439	165.2		
440	171.5		
441	177.9		
442	184.2	2.67 ±	6.01 ±
443	190.6	0.12	0.01
444	196.9		
445	203.3		
446	216		
447	228.7		
448	241.4		
449	254.1		
450	266.8		
451	279.5		
452	292.2		
453	304.9		
454	317.6		
455	330.3		
456	343		
457	355.7		
458	368.4		
459	381.1		
460	393.8		

Standard No:JAPAN (单圈)

DASH NO.	ID	T	W
P 3	3		
P 4	4		
P 5	5		
P 6	6		
P 7	7		
P 8	8	1.5	1.25
P 9	9		
P 10	10		
P 10A	10		
P 11	11		
P 11.2	11.2		
P 12	12		
P 12.5	12.5		
P 14	14		
P 15	15	2.0	1.25
P 16	16		
P 18	18		
P 20	20		
P 21	21		
P 22	22		
P 22A	22		
P 22.4	22.4		
P 24	24		
P 25	25		
P 25.5	25.5		
P 26	26		
P 28	28		
P 29	29		
P 29.5	29.5		
P 30	30		
P 31	31		
P 31.5	31.5		
P 32	32		
P 34	34	3.0	1.25
P 35	35		
P 35.5	35.5		
P 36	36		
P 38	38		
P 39	39		
P 40	40		
P 41	41		
P 42	42		
P 44	44		
P 46	46		
P 48	48		
P 49	49		
P 50	50		
P 48A	48		
P 50A	50		
P 52	52		
P 53	53		
P 55	55	5.0	1.9
P 56	56		
P 58	58		
P 60	60		
P 62	62		

## 聚四氟乙烯挡圈参数

Standard No:JAPAN (单圈)

DASH NO.	ID	T	W
G 25	25		
G 30	30		
G 35	35	2.5	1.25
G 40	40		
G 45	45		
G 50	50	5.0	1.9
G 55	55		
G 60	60		
G 65	65		
G 70	70		
G 75	75		
G 80	80		
G 85	85		
G 90	90		
G 95	95		
G 100	100	2.5	1.25
G 105	105		
G 110	110		
G 115	115		
G 120	120		
G 125	125		
G 130	130		
G 135	135		
G 140	140		
G 145	145		
G 150	150		
G 155	155		
G 160	160		
G 165	165		
G 170	170		
G 175	175		
G 180	180		
G 185	185		
G 190	190		
G 195	195		
G 200	200	5.0	1.9
G 205	205		
G 210	210		
G 215	215		
G 220	220		
G 225	225		
G 230	230		
G 235	235		
G 240	240		
G 245	245		
G 250	250		

Standard No:JAPAN (双圈)

RINDS NO.	ID	T	W	Z
P 3	3			
P 4	4			
P 5	5			
P 6	6			
P 7	7			
P 8	8	1.5	0.7	1.2
P 9	9			
P 10	10			
P 10A	10			
P 11	11			
P 11.2	11.2			
P 12	12			
P 12.5	12.5			
P 14	14			
P 15	15	2.0	0.7	1.4
P 16	16			
P 18	18			
P 20	20			
P 21	21			
P 22	22			
P 22A	22			
P 22.4	22.4			
P 24	24			
P 25	25			
P 25.5	25.5			
P 26	26			
P 28	28			
P 29	29			
P 29.5	29.5			
P 30	30			
P 31	31			
P 31.5	31.5			
P 32	32			
P 34	34	3.0	0.7	2.5
P 35	35			
P 35.5	35.5			
P 36	36			
P 38	38			
P 39	39			
P 40	40			
P 41	41			
P 42	42			
P 44	44			
P 46	46			
P 48	48			
P 49	49			
P 50	50			
P 150A	150			
P 155	155			
P 160	160			
P 165	165			
P 170	170			
P 175	175			
P 180	180			
P 185	185			
P 190	190			
P 195	195			
P 200	200			
P 205	205			
P 210	210			
P 215	215			
P 220	220			
P 225	225	7.5	1.4	6.0
P 230	230			
P 235	235			
P 240	240			
P 245	245			
P 250	250			
P 255	255			
P 260	260			
P 265	265			
P 270	270			
P 275	275			
P 280	280			
P 285	285			
P 290	290			
P 295	295			
P 300	300			
P 305	305			
P 310	310			
P 315	315			
P 320	320			
P 48A	48			
P 50A	50			
P 52	52			
P 53	53	5.0	0.9	4.5
P 55	55			
P 56	56			
P 58	58			
P 60	60			



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# 公司简介



宁波众高密封科技有限公司是集设计，生产，销售，经销为一体的专业密封原件制造商，工厂位于江西，深圳，目前拥有9000多平米的现代化厂房，拥有员工300余人，资深技术人员40余人





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Ningbo ZhongGao Seal Technology Co., Ltd.



我们拥有从硫化成型到最终出货的全套先进生产设备，采用与国际标准相同的先进生产工艺，配有较齐全的实验检测设备，能对各种橡胶材料物性、产品性能进行较全面的实验和检测。我们拥有最专业的技术团队能整合您的密封方案提供最专业的建议。





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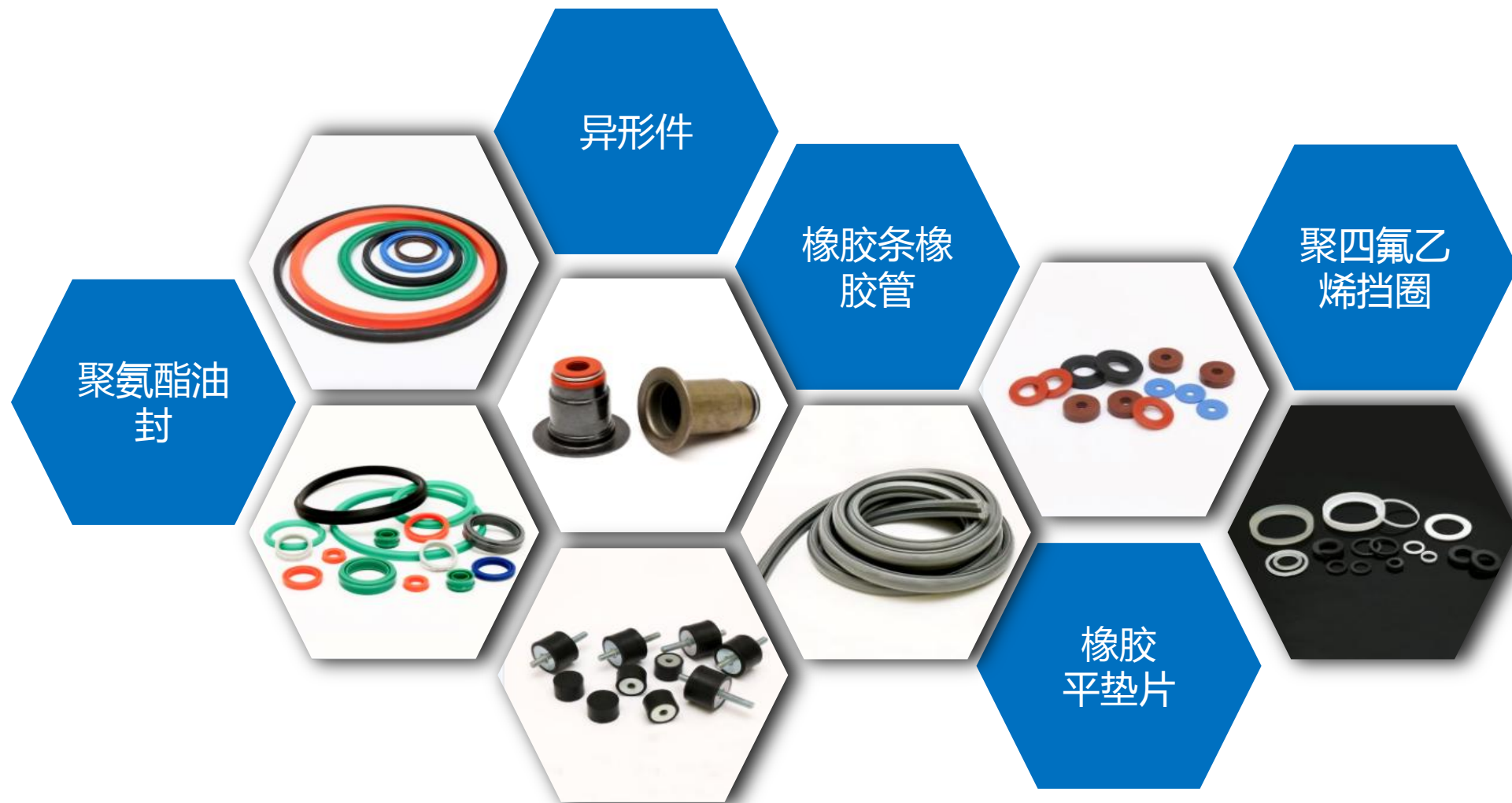
公司主要产品有：O型圈，星型圈，Y型圈，D型圈，橡胶平垫，ED圈，橡胶胶条，橡胶球，各类骨架油封，格来圈斯特封，聚氨酯油封，气动密封以及按照客户需求设计的各类橡胶杂件。



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产品主要为汽车，园林灌溉设备，液压，气动，煤矿机械，医疗，五金，卫浴，饮水设备等行业进行专业的配套服务。



# 权威认证

Authoritative certification



s & Chevron Seals

## KTW W270

KTW (德国饮用水行业非金属部件的检测实验认可)代表德国联邦健康部门饮用水系统选材与健康评估权威部门,它是德国DVGW的实验室。KTW 是2003成立的强制监管机关。要求供应商符合DVGW (德国气体与水协会)的第W 270项条例“微生物在非金属材料上的传播”。这个标准主要保护饮用水不受生物杂质污染。W 270目前也是法律规定的执行规范。KTW测试的标准是EN681-1, W270的测试标准就是W270。目前所有出口欧洲的饮用水系统及辅料都必须出具KTW认证。因此,中国饮用水系统及辅料如果想要出口到欧洲国家,必须通过 KTW认证。KTW已经获得世界卫生组织(WHO)对饮用水安全认证规范的权威认定。

## REACH

REACH是欧盟规章《化学品注册、评估、许可和限制》(REGULATION concerning the Registration, Evaluation, Authorization and Restriction of Chemicals)的简称,是欧盟建立的,并于2007年6月1日起实施的化学品监管体系。这是一个涉及化学品生产、贸易、使用安全的法规提案,法规旨在保护人类健康和环境安全,保持和提高欧盟化学工业的竞争力,以及研发无毒无害化合物的创新能力,防止市场分裂,增加化学品使用透明度,促进非动物实验,追求社会可持续发展等。REACH指令要求凡进口和在欧洲境内生产的化学品必须通过注册、评估、授权和限制等一组综合程序,以更好更简单地识别化学品的成分来达到确保环境和人体安全的目的。

WRAS(Water Research Advisory Scheme)认证是指水务法规咨询计划,WRAS是英国饮用水安全方面的认证。Intertek China、WRC-NSF及KIWA-UK是WRAS认可的实验室!

水务法规咨询计划(WRAS)是英国水工业的认证计划,由此计划认可的产品显示了它符合1999年供水系统(水配件)的法规和其修订版的要求。

计划的主要目标是避免水的:浪费 误用 滥用 不当的消费,不正确度量或污染物。

此项认证是通往英国市场的必须许可,虽非强制,但已是惯例,大凡水公司在提供水源时必须验收的手续之一是查看是否有符合相关标准要求的认证,WRAS的认可是最有说服力的证明,没有的将没有供水资格。



美国食品和药物管理局(Food and Drug Administration)简称FDA, FDA 是美国政府在健康与人类服务部(DHHS)和公共卫生部(PHS)中设立的执行机构之一。作为一家科学管理机构, FDA 的职责是确保美国本国生产或进口的食品、化妆品、药物、生物制剂、医疗设备和放射产品的安全。它是最早以保护消费者为主要职能的联邦机构之一。



watermark是澳大利亚标准局(Standards Australia Limited)的认证标志。认证的产品包括水龙头、各种水阀、水管、水箱配件、花洒、浴缸、管接头等供水、排污类产品。WATERMARK 是由独立认证机构所提供的产品质量认证,它确保产品符合澳洲相关的卫浴法规以及产品标准。根据澳洲的卫浴法规,所有在澳洲安装的卫浴产品需要强制进行此项认证。



LFGB认证,又称《食品、烟草制品化妆品和其它日用品管理法》是德国食品卫生管理方面最重要的基本法律文件,是其它专项食品卫生法律、法规制定的准则和核心。但是近年来也有所修改,主要是和欧洲标准相匹配。



RoHS是由欧盟立法制定的一项强制性标准,它的全称是《关于限制在电子电器设备中使用某些有害成分的指令》(Restriction of Hazardous Substances)。该标准已于2006年7月1日开始正式实施,主要用于规范电子电气产品的材料及工艺标准,使之更加有利于人体健康及环境保护。该标准的目的在于消除电机电子产品中的铅、汞、镉、六价铬、多溴联苯和多溴二苯醚共6项物质,并重点规定了铅的含量不能超过0.1%。



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ISOTS16949



Test Report No. NGBEC1300495001 Date: 18 Apr 2013 Page 1 of 12  
(SVHC)

NINGBO ZHONGGAO SEAL TECHNOLOGY CO. LTD  
ROOM 910, BUILDING 311, JIANGNAN-YIPIN GARDEN, HI-TECH ZONE, NINGBO, CHINA

The following sample(s) was/were so certified and identified on behalf of the clients as: NBR O-ring

SGS Job No.: NP13-000467- NB

Date of Sample Received: 07 Apr 2013

Testing Period: 07 Apr 2013 - 18 Apr 2013

Test Requested: As requested by client, SVHC screening is performed according to (i) One Hundred and thirty eight (138) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Dec 19, 2012 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results: Please refer to next page(s).

Summary:

According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.	PASS
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Signed for and on behalf of  
SGS-CSTC Ltd.

Iris Xiao

Approved Signatory



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(SVHC)

Remark:

(1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:  
<http://echa.europa.eu/web/guest/candidate-list-table>  
These lists are under evaluation by ECHA and may subject to change in the future.

(2) Concerning article(s):  
In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totalling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

SGS adopts the interpretation of ECHA for SVHC in article unless indicated otherwise. Detail explanation is available at the following link:  
[http://webstage.contribute.sgs.net/comreach/documents/SGS-CTS\\_SVHC-paper-EN-11.pdf](http://webstage.contribute.sgs.net/comreach/documents/SGS-CTS_SVHC-paper-EN-11.pdf)

(3) Concerning material(s):  
Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No 1907/2006.

(4) Concerning substance and preparation:  
If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1372/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC)

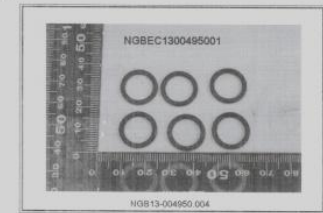


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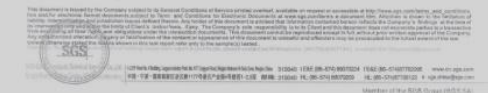
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(SVHC)

Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*



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