



Company

Guangzhou **Rui-He** new material technology Co., Ltd established in 2004, located in Huadu district of Guangzhou.

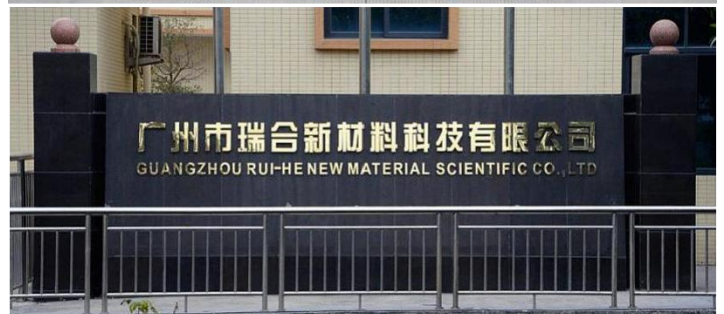
We are specialized in development of solid and liquid silicone material in China. Our company is committed to provide customers with the professional silicone rubber solution.

The main products of us are : Precipitation silicone rubber 、 fumed silicone rubber 、 fire-retardant silicone rubber、 heat-resistant silicone rubber、 electric insulation silicone rubber、 medical silicone rubber、 electric cable accessory silicone rubber 、 baby's product silicone rubber、 kitchenware and food article silicone rubber and diving tool silicone rubber, etc.

Our products widely use in all kind of industries including electronics 、 medical equipment 、 electrical engineering、 baby supplies、 communication、 automobile、 aviation and spaceflight 、 mechanical engineering and kitchen and food necessities.

Quality assurance is the root of enterprise survival and development, we always adhere to the management aim with reputation first, high-quality and high-efficient and customer first.

Ruihe specially mainly in the quality control and development of our product. We have passed the national quality certification of **ISO9001:2015** in China, also passed the international certification of ROHS 、 REACH、 FDA、 PAHS. The annual output of our company is more than **20,000 tons**. With stable production and stable quality, our product sales network has been all over the country and with good reputation.



Medical Silicone Rubber Product Quality Inspection Report



中国认可
国际互认
检测
TESTING
CNAS L2954

最终报告
报告编号: SDWH-M202003555-4

硅胶试片
口腔黏膜刺激试验
参照 ISO 10993-10:2010
0.9%氯化钠注射液浸提

委托单位: 广州市瑞合新材料科技有限公司
地址: 广州市花都区秀全街道风神大道自编 168 号

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最终报告
报告编号: SDWH-M202003555-2

硅胶试片
皮肤致敏试验
参照 ISO 10993-10:2010
豚鼠最大剂量试验
0.9%氯化钠注射液浸提

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最终报告
报告编号: SDWH-M202003555-3

硅胶试片
皮内反应试验
参照 ISO 10993-10:2010
0.9%氯化钠注射液浸提

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Oral Mucosa Irritation Test of Silicone Rubber

Skin Sensitization Test of Silicone Rubber

Intracutaneous Reactivity Test of Silicone Rubber




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最终报告
报告编号: SDWH-M202003555-1

硅胶试片
细胞毒性试验
参照 ISO 10993-5: 2009
MTT
含 10%胎牛血清的 MEM 浸提

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**苏州大学
卫生与环境技术研究所
最终报告**

报告编号: SDWH-M201804084-4

参照 ISO 10993-10:2010 方法进行
硅胶试片
的金黄地鼠口腔刺激试验
0.9%氯化钠注射液浸提

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由 扫描全能王 扫描创建



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**苏州大学
卫生与环境技术研究所
最终报告**

报告编号: SDWH-M201804084-3

参照 ISO 10993-10:2010 方法进行
硅胶试片
的皮内反应试验
0.9%氯化钠注射液浸提

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In Vitro Cytotoxicity Test of Silicone Rubber

Golden Hamster Oral Irritation Test of Silicone Rubber

Intracutaneous Reactivity Test of Silicone Rubber



Negative Pressure Ball, Balloon Product Material Solution

Description

Features:

- **Solid silicone rubber** and **Liquid silicone rubber** have the characteristics of high transparency, excellent performance, resistance to yellowing, aging resistance, stable pressure, and good flexibility, and can be used for a long time at -40°C to 200°C;
- Under the environment of 20°C, the A/B component can be safely operated for 5 days in a sealed state after mixing, and the temperature rise time is shortened.

Application:

- Suitable for negative pressure balls, balloons and other medical products



Typical product data

Physical properties	Testing method	Unit	RH6250-25YH	RH6250-40YH	RH6250-60YH	RH6250-65YH	RH6543AB
Appearance	Visual inspection	/	Transparent	Transparent	Transparent	Transparent	Transparent
Viscosity	DIN53019	Pa.s	1200	1200	2000	2000	/
Hardness	GB/T531.1-2008	Shore A	20	40	57	60	63
Density	GB/T533-2008	g/cm ³	1.11	1.12	1.12	1.13	1.18
Resilience	GB/T1681-2009	%	40	60	60	60	50
Tensile Strength	GB/T528-2009	Mpa	8	10	11	11	10
Elongation	GB/T528-2009	%	1000	600	600	550	600
Tear Strength	GB/T529-2008	KN/m	30	25	40	40	60
Tensile Set	GB/T528-2009	%	6	1.7	1.7	1.7	6
Linear shrinkage	GB-T14235.4-93	%	2.2	2.5	2.5	2.5	3.2
Application field	/	/	Liquid silicone rubber, balloon	Liquid silicone rubber, low pressure balloon	Liquid silicone rubber, negative pressure ball		Solid silicone rubber, negative pressure ball

Laryngeal Mask, Face Mask, Medical Catheter, Anesthesia vibrator Product Material Solution

Description

Features:

- **Solid silicone rubber** and **Liquid silicone rubber** have the characteristics of high transparency, excellent performance, resistance to yellowing, aging resistance, stable pressure, and good flexibility, and can be used for a long time at -40°C to 200°C;
- Under the environment of 20°C, the A/B component can be safely operated for 5 days in a sealed state after mixing, and the temperature rise time is shortened.

Application:

- It is suitable for medical products such as laryngeal masks, face masks, medical catheters, anesthesia vibrators, etc.



Typical product data

Physical properties	Testing method	Unit	RH6250-70YH	RH6250-50YH	RH7043YH AB	RH7034YH AB	RH4046YH AB	
Appearance	Visual inspection	/	Transparent					
Viscosity	DIN53019	Pa.s	2000	1200	/	/	/	
Hardness	GB/T531.1-2008	Shore A	65	49	67	67	42	
Density	GB/T533-2008	g/cm ³	1.14	1.12	1.2	1.2	1.13	
Resilience	GB/T1681-2009	%	60	60	40	40	50	
Tensile Strength	GB/T528-2009	Mpa	10	10	9	9	11	
Elongation	GB/T528-2009	%	400	700	700	700	800	
Tear Strength	GB/T529-2008	KN/m	30	30	60	60	50	
Tensile Set	GB/T528-2009	%	1.7	1.7	8	8	6	
Linear shrinkage	GB-T14235.4-93	%	2.4	2.6	3.2	3.2	3.3	
Application field	/	/	Liquid silicone rubber, laryngeal mask, face mask	Liquid silicone rubber, laryngeal mask, medical catheter	Solid silicone rubber, laryngeal mask, medical catheter		Solid silicone rubber, Analgesic pump	

Medical Catheter product Material Solution

Description

Features:

- **Solid silicone rubber** have the characteristics of high transparency, excellent performance, resistance to yellowing, aging resistance, stable pressure, and good flexibility, and can be used for a long time at -40°C to 200°C ;
- Under the environment of 20°C , the A/B component can be safely operated for 5 days in a sealed state after mixing, and the temperature rise time is shortened.

Application:

- It is suitable for medical products such as medical catheters.



Typical product data

Physical properties	Testing method	Unit	5043YH - A/B	(Post cured 200°C $\times 2\text{h}$)	CYN- 785 A/B	(Post cured 200°C \times 2h)	7043YH - A/B	(Post cured 200°C $\times 2\text{h}$)	8043YH -A/B	(Post cured 200°C $\times 2\text{h}$)
Appearance	Visual inspection	/	Transparent							
Hardness	GB/T531.1-2008	Shore A	50	55	42	45	69	72	76	84
Density	GB/T533-2008	g/cm ³	1.15	1.15	1.04	1.04	1.20	1.20	1.22	1.22
Resilience	GB/T1681-2009	%	45	50	43	45	42	45	33	45
Tensile strength	GB/T528-2009	Mpa	9	10	10	11	10	11	9	10
Elongation	GB/T528-2009	%	900	725	825	700	675	550	475	225
Tear strength	GB/T529-2008	KN/m	48	42	60	32	52	42	50	30
Tensile set	GB/T528-2009	%	5	3	8	4	9	5	6	4
Plasticity	GB/T 12828-2006	%	210	/	150	/	250	/	325	/

Remarks:

Solid silicone rubber: DBPH curing, using $150\text{mm} \times 140\text{mm}$ mold, $175^{\circ}\text{C} \times 5\text{min}$ vulcanization molding

This data is reference data and is for reference only and should not be used as a guide for performance data for specific.

Packaging specifications:

20 KG carton, lined with plastic bag

Medical Grade Silicone Rubber Material Bonding Solution

Description

Features:

- Room temperature vulcanized adhesive, suitable for the bonding of **liquid silicone rubber** and **silicone rubber**, with good physical bonding strength and superior operating performance.

Applications:

- It is suitable for the parts of urinary catheter and laryngeal mask that need to be bonded with silicone rubber



Typical product data

Physical properties	Testing method	Unit	RH9140-30X	RH9140-30A	RH9140-30C	RH9140-30B
Appearance	Visual inspection	/	Translucent	Translucent	Translucent	Blue Translucent
Viscosity	DIN53019	MPa·s	50000	65000	350000	50000
Hardness	GB/T531.1-2008	Shore A	30	30	30	30
Tensile Strength	GB/T528-2009	Mpa	3.0	3.0	3.0	3.0
Elongation	GB/T528-2009	%	400	400	400	400
Application field	/	/	Silicone bonding	Silicone bonding	Silicone bonding	Medical LSR for plug; Medical image

Remarks:

- Typical data are average data and actual values may vary. Typical data shall not be used as product specifications.

Packing specification

- Single-component sticks, large sticks 334g/sticks, small sticks 100g/sticks

Precautions

- Keep good ventilation when using
- Isolate the air and store at room temperature
- It is best to use it up once after unpacking and use. After opening the cap, tighten the sealing cap to maintain the use effect within a week

Reliable Quality · Reasonable Price · Professional Service

Contact Us Today!

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