

道康宁® 硅酮玻璃密封胶

概述

道康宁®硅酮玻璃密封胶是一种高性能酸性固化的硅酮密封胶，设计用于广泛的玻璃装配用途，如玻璃、门窗、天窗、框架、室内外门隔、店面橱窗等民用或工业用装配。可与大多数常用建筑材料形成耐久且富弹性的防水密封层。

典型物理性能

至规范制定者：以下数据仅供参考，不得直接用于规格制订。

属性	单位	数值
供应品在25℃, 50%相对湿度下测试		
颜色, 下垂或垂流	mm	<2
表干时间*	分钟	11
深度固化*	毫米深/天	1.9
固化7天后在25℃, 50%相对湿度下测试		
硬度	Shore A	29
极限抗张强度	MPa	1.8
极限延伸率	%	400
温度稳定性	℃	-40 至 +150
可选颜色: 透明、银灰色、黑色、白色及古铜色。		

注：
* 密封胶的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下，密封胶的固化会快一点，较低的温度和湿度下，密封胶固化得慢一些。由于各地市场要求的不同，有些颜色可能没有库存，请联系道康宁公司，以了解可提供的颜色及从订货至交货所需的时间。如需建筑胶的密封胶，请向道康宁咨询。



道康宁® 玻璃与金属密封胶

概述

道康宁®玻璃与金属密封胶是一种高性能中性固化的硅酮密封胶，设计用于广泛的楼房玻璃装配及耐候性用途，如玻璃及窗框接缝的密封、住宅及工业用途的框架、板片、室内外门隔及店面橱窗的装饰等。固化后，将与大多数建筑材料间形成防水密封层。

典型物理性能

至规范制定者：以下数据仅供参考，不得直接用于规格制订。

属性	单位	数值
供应品在25℃, 50%相对湿度下测试		
颜色, 下垂或垂流	mm	<2
表干时间*	分钟	17
深度固化*	毫米深/天	2.1
固化7天后在25℃, 50%相对湿度下测试		
硬度	Shore A	21
极限抗张强度	MPa	1.5
极限延伸率	%	400
温度稳定性	℃	-40 至 +150
可选颜色: 半透明、灰色、黑色及白色。		

注：
* 密封胶的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下，密封胶的固化会快一点，较低的温度和湿度下，密封胶固化得慢一些。由于各地市场要求的不同，有些颜色可能没有库存，请联系道康宁公司，以了解可提供的颜色及从订货至交货所需的时间。如需建筑胶的密封胶，请向道康宁咨询。



道康宁® 中性防霉硅酮密封胶

概述

道康宁®中性防霉硅酮密封胶是一种高性能的中性固化硅酮密封胶，提供在高温和高湿的环境下耐久的防霉性。

适用材料

淋浴房
浴缸
台盆
坐便器
厨房设备

典型物理性能

至规范制定者：以下数据仅供参考，不得直接用于规格制订。

属性	单位	数值
供应品在25℃, 50%相对湿度下测试		
颜色, 下垂或垂流	mm	<2
表干时间*	分钟	18
深度固化*	毫米深/天	1.8
固化7天后在25℃, 50%相对湿度下测试		
硬度	Shore A	16
极限抗张强度	MPa	1.1
温度稳定性	℃	-40 至 +150
极限延伸率	%	500
可选颜色: 半透明、白色		

注：
* 密封胶的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下，密封胶的固化会快一点，较低的温度和湿度下，密封胶固化得慢一些。由于各地市场要求的不同，有些颜色可能没有库存，请联系道康宁公司，以了解可提供的颜色及从订货至交货所需的时间。如需建筑胶的密封胶，请向道康宁咨询。



道康宁® GP有机硅密封胶

概述

道康宁®GP有机硅密封胶是一种有效的低成本、一般综合用途、酸性固化，在一般密封及装配应用中提供长久的耐用性，其可用于装配、密封及接口填充，如：窗户、天窗、招牌、室内/室外固定装置及装配、门等等。

典型物理性能

至规范制定者：以下数据仅供参考，不得直接用于规格制订。

属性	单位	数值
供应品在25℃, 50%相对湿度下测试		
颜色, 下垂或垂流	mm	<2
表干时间*	分钟	11
深度固化*	毫米深/天	1.6
固化7天后在25℃, 50%相对湿度下测试		
硬度	Shore A	17
极限抗张强度	MPa	1.4
极限延伸率	%	550
温度稳定性	℃	-40 至 +150
可选颜色: 透明、白色、古铜、黑色、银灰色。		

注：
* 密封胶的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下，密封胶的固化会快一点，较低的温度和湿度下，密封胶固化得慢一些。由于各地市场要求的不同，有些颜色可能没有库存，请联系道康宁公司，以了解可提供的颜色及从订货至交货所需的时间。如需建筑胶的密封胶，请向道康宁咨询。



道康宁® NP中性硅酮密封胶

概述

道康宁® Neutral Plus中性硅酮密封胶是一种多用途、中性固化、物有所值的硅酮密封胶。适用于普通的密封、装配，防水和五金类应用并提供长期耐用性。不会腐蚀混凝土、砖石和金属。

典型物理性能

至规范制定者：以下数据仅供参考，不得直接用于规格制订。

属性	单位	数值
供应品在25℃, 50%相对湿度下测试		
颜色, 下垂或垂流	mm	<2
表干时间*	分钟	19
深度固化*	毫米深/天	1.7
固化7天后在25℃, 50%相对湿度下测试		
硬度	Shore A	23
极限抗张强度	MPa	1.2
温度稳定性	℃	-40 至 +150
极限延伸率	%	400
可选颜色: 半透明、白色、灰色、黑色及黑色。		

注：
* 密封胶的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下，密封胶的固化会快一点，较低的温度和湿度下，密封胶固化得慢一些。由于各地市场要求的不同，有些颜色可能没有库存，请联系道康宁公司，以了解可提供的颜色及从订货至交货所需的时间。如需建筑胶的密封胶，请向道康宁咨询。



道康宁® 好适中性硅酮密封胶

概述

道康宁®好适中性硅酮密封胶是一种用于门窗安装和密封的，高性价比的中性硅酮密封胶。用于钢门窗的安装和密封以及一般建材的密封。

典型物理性能

至规范制定者：以下数据仅供参考，不得直接用于规格制订。

属性	单位	数值
供应品在25℃, 50%相对湿度下测试		
颜色, 下垂或垂流	mm	<2
表干时间*	分钟	24
深度固化*	毫米深/天	2.0
固化7天后在25℃, 50%相对湿度下测试		
硬度	Shore A	13
极限抗张强度	MPa	1.0
温度稳定性	℃	-40 至 +150
极限延伸率	%	350
可选颜色: 半透明、黑色、白色及古铜色。		

注：
* 密封胶的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下，密封胶的固化会快一点，较低的温度和湿度下，密封胶固化得慢一些。由于各地市场要求的不同，有些颜色可能没有库存，请联系道康宁公司，以了解可提供的颜色及从订货至交货所需的时间。如需建筑胶的密封胶，请向道康宁咨询。



XIAMETER(R) Material Safety Data Sheet

DOW CORNING(R) GLASS SEALANT BRONZE

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1	Product Name:	DOW CORNING(R) GLASS SEALANT BRONZE		
1.2	Product Code:	04074203		
1.3	Chemical Classification:	Silicone Sealant		
1.4	Recommended Product Usage and Limited Use:	Sealant		
1.5	Company Details			
	Manufacturer/Supplier:	Dow Corning (China) Holding Company Limited		
	Address:	1077 Zhangheng Road, Zhangjiang Hi-Tech Park, Shanghai, P.R.C, Postal Code: 201203		
	Telephone Number:	(86 21)38995200 ext. 2	Fax Number:	(86 21) 50796571
	Email Address:	asia.tech@xiameter.com		
	Emergency Telephone Number:	(86 512) 56732049		
1.6	First Issuing Date:	2010/01/18		

2. HAZARD IDENTIFICATION

2.1	Hazard Classification:	Skin corrosion/irritation: Category 3		
2.2	Label Elements Including Precautionary Statements			
	Symbol:	None.		
	Signal Word:	Warning		
	Hazard Risk Statement:	Causes mild skin irritation.		
	Precautionary Statement:	Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.		
2.3	Other Hazard:	None known.		

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1	Chemical characterization:	Mixture		
3.2	Hazardous Ingredients			
	Chemical Name	CAS No.	% (w/w)	
	Hydrotreated middle petroleum distillates	64742-46-7	<10	
	Ethyltriacetoxysilane	17689-77-9	<1	
	Methyltriacetoxysilane	4253-34-3	<1	



XIAMETER(R) Material Safety Data Sheet

Page No.: 2/7
Last Revision Date: 2013/05/24
Version No.: GHS 1.3

DOW CORNING(R) GLASS SEALANT BRONZE

Octamethylcyclotetrasiloxane

556-67-2

<1

4. FIRST AID MEASURES

4.1 First Aid Measures

Eyes: Immediately flush with water for 15 minutes.
Skin: Wash off with soap and water.
Inhalation: Remove to fresh air.
Oral: Get medical attention.
Comments: Treat according to person's condition and specifics of exposure.

4.2 Important Symptoms and Hazard Effects:

May cause skin irritation.

4.3 Personal Protection for First Aid or Rescue Personnel

Respiratory Protection: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.
Eye Protection: Use full face respirator.
Skin Protection: Washing at mealtime and end of shift is adequate.

4.4 Note to physicians:

Treat symptomatically. For further information, the Medical Practitioner should refer to the phone number in Section 1.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

5.2 Unsuitable Extinguishing Media: None established.

5.3 Specific Hazards: None.

5.4 Special Fire Fighting Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

5.5 Special protective equipment for the Fire Fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Avoid skin and eye contact. Do not breathe vapour. Do not take internally.

6.2 Environmental Precautions: Do not allow large quantities to enter drains or surface waters.

6.3 Methods for Cleaning up: Observe all personal protective equipment recommendations described in this MSDS. If

XIAMETER(R) Material Safety Data Sheet

DOW CORNING(R) GLASS SEALANT BRONZE

diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

- | | | |
|------------|--|--|
| 7.1 | Handling Precautions: | Use with adequate ventilation. Avoid skin and eye contact. Do not breathe vapour. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. |
| 7.2 | Storage Conditions: | Use reasonable care and store away from oxidizing materials. |
| 7.3 | Unsuitable Packaging Materials: | None established. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Industrial Hygiene Standards:**
- | <u>Ingredients</u> | <u>CAS No.</u> | <u>Exposure Limits</u> |
|---|----------------|---|
| Hydrotreated middle petroleum distillates | 64742-46-7 | OSHA PEL (final rule) and ACGIH TLV for oil mists: TWA 5 mg/m3. |
| Ethyltriacetoxysilane | 17689-77-9 | See acetic acid comments. |
| Methyltriacetoxysilane | 4253-34-3 | See acetic acid comments. |
| Octamethylcyclotetrasiloxane | 556-67-2 | Dow Corning guide: TWA 10 ppm. |
- Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.
- 8.2 Engineering Controls**
- | | |
|-----------------------------|--------------|
| Local Ventilation: | Recommended. |
| General Ventilation: | Recommended. |
- 8.3 Personal Protective Equipment for Routine Handling**
- | | |
|--------------------------------|---|
| Respiratory protection: | Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded. |
| Suitable Respirator: | Organic Vapor/Acid Gas Type. |
| Eye protection: | Use proper protection - safety glasses as a minimum. |
| Hand protection: | Chemical protective gloves should be worn where repeated or prolonged contact can occur. |
| Skin protection: | Washing at mealtime and end of shift is adequate. |
| Hygiene Measures: | Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. |

XIAMETER(R) Material Safety Data Sheet

DOW CORNING(R) GLASS SEALANT BRONZE

8.4 Personal Protective Equipment for Spills

Respiratory protection:	Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.
Eye protection:	Use full face respirator.
Skin protection:	Washing at mealtime and end of shift is adequate.
Precautionary Measures:	Avoid skin and eye contact. Do not breathe vapour. Do not take internally. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form:	Paste
9.2 Color:	Bronze
9.3 Odor:	Acetic acid odor
9.4 pH:	Not determined.
9.5 Melting Point:	Not determined.
9.6 Boiling point/range:	Not determined.
9.7 Flash Point:	Not applicable.
9.8 Explosive Limit:	Not determined.
9.9 Vapor Pressure @ 25°C:	Not determined.
9.10 Vapour Density (air=1):	Not determined.
9.11 Specific Gravity:	1 g/cm ³
9.12 Water Solubility:	Not determined.
9.13 Partition Coefficient (n-Octanol/Water):	Not determined.
9.14 Autoignition temperature:	Not determined.
9.15 Decomposition Temperature :	Not determined.
9.16 Odor Threshold:	Not determined.
9.17 Evaporation Rate:	Not determined.
9.18 Flammability (Solid, Gas):	Not applicable.

The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

10.1 Stability:	Stable.
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XIAMETER(R) Material Safety Data Sheet

DOW CORNING(R) GLASS SEALANT BRONZE

10.2	Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
10.3	Conditions to Avoid:	None.
10.4	Materials to Avoid:	Can react with strong oxidising agents.
10.5	Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Metal oxides.

11. TOXICOLOGICAL INFORMATION

11.1	Route of Exposure:	Skin contact and accidental ingestion.		
11.2	Signs and Symptoms of Overexposure:	May cause skin irritation.		
11.3	Acute Toxicity:			
	<u>Chemical Name</u>	<u>CAS No.</u>	<u>LD50 (Oral)</u>	<u>LD50 (Dermal)</u>
		<u>LC50 (Inhalation)</u>		
	Hydrotreated middle petroleum distillates	64742-46-7	> 20,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)
	Ethyltriacetoxysilane	17689-77-9	380 mg/kg (Rat)	-
	Methyltriacetoxysilane	4253-34-3	1,550 mg/kg (Rat)	-
	Octamethylcyclotetrasiloxane	556-67-2	> 4,800 mg/kg (Rat)	> 2.5 ML/KG (Rabbit)
				2975 PPM (Rat; 4hr vapor)
	Eyes:	Vapours released during curing may cause eye irritation.		
	Skin:	May cause mild irritation.		
	Ingestion:	Low ingestion hazard in normal use.		
	Inhalation:	Vapor may irritate nose and throat.		
11.4	Chronic Toxicity			
	Skin:	Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.		
	Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.		
	Inhalation:	No known applicable information.		
11.5	Other Health Hazard Information:	No known applicable information.		

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

12. ECOLOGICAL INFORMATION

12.1	Aquatic and Terrestrial Ecotoxicity	
	Ecotoxicity Effects:	
	Acute:	No adverse effects on aquatic organisms are predicted.
	Chronic:	No adverse effects on aquatic organisms are predicted.

XIAMETER(R) Material Safety Data Sheet

DOW CORNING(R) GLASS SEALANT BRONZE

Fate and Effects in Waste Water Treatment Plants: No adverse effects on bacteria are predicted.

12.2 Persistence and Degradability

Water: Solid material, insoluble in water.

12.3 Bioaccumulative Potential

Bioaccumulation: No bioaccumulation potential.

12.4 Mobility in Soil:

This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.

12.5 Additional Environmental Information:

No specific information is available.

13. DISPOSAL CONSIDERATIONS

13.1 Product Disposal: Dispose of in accordance with local regulations.

13.2 Packaging Disposal: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 Road and Rail Transport

Not applicable.

14.2 Sea Transport (IMDG)

Not subject to IMDG code.

14.3 Air Transport (IATA)

Not subject to IATA regulations.

14.4 Special Requirements and Additional Information : None.

15. REGULATORY INFORMATION

15.1 Applicable Laws: Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace
General rule for classification and hazard communication of chemicals [GB 13690-2009]

15.2 Chemical Inventories

AICS: All ingredients listed or exempt.

IECSC: All ingredients listed or exempt.

KECL: All ingredients listed, exempt or notified.

HSNO: All ingredients listed or exempt.



XIAMETER(R) Material Safety Data Sheet

Page No.: 7/7
Last Revision Date: 2013/05/24
Version No.: GHS 1.3

DOW CORNING(R) GLASS SEALANT BRONZE

PICCS:	All ingredients listed or exempt.
EINECS:	Not determined.
TSCA:	Not determined.
ENCS/ISHL:	Not determined.
DSL:	Not determined.

16. OTHER INFORMATION

16.1 Contact Point: Technical Information Center (86 21)38995200 ext. 2

16.2 Prepared by: Dow Corning (China) Holding Company Limited

Legend:

- No specific information available

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

XIAMETER(R) is a trademark of Dow Corning Corporation

<http://www.xiameter.com>



Dow Corning® Sealant Sales Catalogue for Hong Kong Effective on and after 1 January, 2010

According to the AIR POLLUTION CONTROL VOLATILE ORGANIC COMPOUNDS (AMENDMENT) REGULATION 2009 (“Amendment Regulation”) issued by the Hong Kong Government, on and after 1 January 2010, a person is not allowed to manufacture in Hong Kong or import into Hong Kong newly regulated sealants with volatile organic compound (VOC) content exceeding the prescribed maximum limits for local sale and use. For details of the Amendment Regulation you may check the webpage by HK EPD at the following link: http://www.epd.gov.hk/epd/english/environmentinhk/air/prob_solutions/voc_reg.html#point_8.

Dow Corning continually strives to be one of the most respected companies in the chemical industry for environmental, health, and safety performance. Dow Corning is committed to comply with all relevant laws, regulations, and other applicable requirements.

Dow Corning will continue to serve the Hong Kong market with the below sealants for Professional Building Trades. For the sealants which are not included in the list please consult with Dow Corning for the VOC content before importing into Hong Kong.

Dow Corning® Sealants for Professional Building Trades

Name of Sealants	Available Color Options	Density	Package Size	Category of Regulated Sealants	VOC Content	Meet the Amendment Regulation (Yes/No)	Exempt Compounds
<i>Dow Corning</i> ® Glass & Metal Sealant	Bronze, Black, Light Grey, White	1.38	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS
<i>Dow Corning</i> ® Glass Sealant	Clear, Aluminum, Bronze, Black, white	1.00-1.01	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS
<i>Dow Corning</i> ® Neutral Plus Silicone Sealant	Black, Grey, White Ivory	1.35	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS
<i>Dow Corning</i> ® GP Silicone Sealant	Clear, Bronze, Light Gray, White, Black, Aluminum	0.95	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS

CONTACT INFORMATION

Dow Corning Asia

21/F., No. 111 Leighton Road, Causeway Bay, Hong Kong

Tel: +852 28350350

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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Images: Page 1 - AV11171

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