

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		
流动，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 +130
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，密封胶会固化得慢一些。
由于各地市场要求不同，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到交货所需的时间。
如需建筑胶的硅酮密封胶，请向道康宁咨询。



道康宁® 玻璃与金属密封胶

概述

道康宁®硅酮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		
流动，下垂或垂流	mm	半透明 其它颜色
表干时间*	分钟	17 12
深度固化*	毫米深/天	2.1 1.8
固化7天后在25℃，50%相对湿度下测试		
硬度	Shore A	21 38
极限抗张强度	MPa	1.5 1.2
极限延伸率	%	400 150
温度稳定性	℃	-40 至 +150 -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，密封胶会固化得慢一些。
由于各地市场要求不同，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到交货所需的时间。
如需建筑胶的硅酮密封胶，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
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		
流动，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	18
极限抗张强度	MPa	1.1
极限延伸率	%	400 至 +150
温度稳定性	℃	-40 至 +130
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，密封胶会固化得慢一些。
由于各地市场要求不同，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到交货所需的时间。
如需建筑胶的硅酮密封胶，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		
流动，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	%	350
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，密封胶会固化得慢一些。
由于各地市场要求不同，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到交货所需的时间。
如需建筑胶的硅酮密封胶，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		
流动，下垂或垂流	mm	半透明 其它颜色
表干时间*	分钟	19 13
深度固化*	毫米深/天	1.7 1.5
固化7天后在25℃，50%相对湿度下测试		
硬度	Shore A	23 38
极限抗张强度	MPa	1.2 1.0
极限延伸率	%	400 至 +150 -40 至 +150
温度稳定性	℃	-40 至 +150 350
可选颜色：半透明、白色、灰色及黑色。		

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，密封胶会固化得慢一些。
由于各地市场要求不同，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到交货所需的时间。
如需建筑胶的硅酮密封胶，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		
流动，下垂或垂流	mm	<2 <2
表干时间*	分钟	24 18
深度固化*	毫米深/天	2.0 1.8
固化7天后在25℃，50%相对湿度下测试		
硬度	Shore A	13 14
极限抗张强度	MPa	1.0 1.3
极限延伸率	%	500 350
温度稳定性	℃	-40 至 +150 -40 至 +150
可选颜色：半透明、黑色、白色及灰色。		

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，密封胶会固化得慢一些。
由于各地市场要求不同，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到交货所需的时间。
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DOW CORNING(R) NEUTRAL PLUS SILICONE SEALANT-GRAY

1. PRODUCT AND COMPANY IDENTIFICATION

Dow Corning Corporation
South Saginaw Road
Midland, Michigan 48686

24 Hour Emergency Telephone: (989) 496-5900

Customer Service: (989) 496-4430

Product Disposal Information: (989) 496-6315

CHEMTREC: (800) 424-9300

MSDS No.: 04114232

Revision Date: 2011/09/27

Generic Description: Silicone elastomer

Physical Form: Paste

Color: See product name

Odor: Some odor

NFPA Profile: Health 2 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Acute Effects

Eye: Direct contact may cause moderate irritation.

Skin: May cause mild irritation.

Inhalation: No significant effects expected from a single short-term exposure.

Oral: Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.

Prolonged/Repeated Exposure Effects

Skin: Repeated skin contact may cause allergic skin reaction.

Inhalation: No known applicable information.

Oral: Overexposure by ingestion may injure the following organ(s): Blood.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions,



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component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane

The above components are hazardous as defined in 29 CFR 1910.1200.

4. FIRST AID MEASURES

Eye:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.
Skin:	As quickly as possible remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately flush with lukewarm gently flowing water for 15 minutes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. If irritation persists, obtain medical advice.
Inhalation:	If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.
Oral:	Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.
Notes to Physician:	Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.
Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.



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Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: None.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Observe all personal protection equipment recommendations described in Sections 5 and 8. 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. Local, state and federal 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 federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

7. HANDLING AND STORAGE

Use with adequate ventilation. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture. This material in its finely divided form presents an explosion hazard. Follow NFPA 654 (for chemical dusts) or 484 (for metal dusts) as appropriate for managing dust hazards to minimize secondary explosion potential.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
22984-54-9	Methyl tri(ethylmethylketoxime) silane	See ethyl methyl ketoxime comments.
Ethyl methyl ketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within the following exposure guidelines: Vendor guide TWA: 3 ppm, STEL: 10 ppm; AIHA WEEL TWA: 10 ppm.		

Engineering Controls

Local Ventilation: None should be needed.



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General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Personal Protective Equipment for Spills

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Avoid skin contact. Do not take internally. Use reasonable care.

Comments: Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines or use respiratory protection.

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

Physical Form: Paste

Color: See product name

Odor: Some odor

Specific Gravity @ 25°C: 1.04

Viscosity: Not determined.

Freezing/Melting Point: Not determined.

Boiling Point: Not determined.

Vapor Pressure @ 25°C: Not determined.

Vapor Density: Not determined.



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Solubility in Water: Not determined.
pH: Not determined.
Volatile Content: Not determined.
Flash Point: Not applicable.
Autoignition Temperature: Not determined.
Flammability Limits in Air: Not determined.

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

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides. Metal oxides.

11. TOXICOLOGICAL INFORMATION

Component Toxicology Information

During use of the material, small amounts of methylethylketoxime (MEKO) will be released. Long-term or repeated exposure to high concentrations of oxime-silanes may cause narcotic type effects on the nervous system, harmful effects on the blood (anemia) and irritate nasal passages, but these effects are reversible and not considered serious. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed significant increases in liver tumor rates.

Special Hazard Information on Components

Sensitizers

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>	
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane	Possible skin sensitizer.

12. ECOLOGICAL INFORMATION



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DOW CORNING(R) NEUTRAL PLUS SILICONE SEALANT-GRAY

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	≤ 1	> 1 and ≤ 100	> 100
Acute Terrestrial Toxicity	≤ 100	> 100 and ≤ 2000	> 2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.



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DOW CORNING(R) NEUTRAL PLUS SILICONE SEALANT-GRAY

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355):

None.

Section 304 CERCLA Hazardous Substances (40 CFR 302):

None.

Section 311/312 Hazard Class (40 CFR 370):

Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactive: No

Section 313 Toxic Chemicals (40 CFR 372):

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

Massachusetts

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
7631-86-9	7.0 - 13.0	Silica, amorphous
1333-86-4	<=1.1	Carbon black
13463-67-7	<=1.1	Titanium dioxide
58-36-6	<0.1	10,10-Oxydiphenoxarsine

New Jersey

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
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70131-67-8	70.0 - 90.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 - 13.0	Silica, amorphous
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane
63148-62-9	1.0 - 5.0	Polydimethylsiloxane
147-14-8	<=1.8	Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (Pigment blue 15)
1333-86-4	<=1.1	Carbon black
13463-67-7	<=1.1	Titanium dioxide

Pennsylvania

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
70131-67-8	70.0 - 90.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 - 13.0	Silica, amorphous
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane
1333-86-4	<=1.1	Carbon black
13463-67-7	<=1.1	Titanium dioxide

16. OTHER INFORMATION

Prepared by: Dow Corning Corporation

These data are offered in good faith as typical values and not as product specifications. No warranty, either 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.

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<http://www.xiameter.com>