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SEALANT PRODUCTS CATALOG

Haoliang Refrigeration
Haoliang Import and Export



Haoliang Import and Export Co., Ltd. was founded in 2003 with its headquarters located in Ningbo City, Zhejiang Province, it is a professional company integrating trade, R&D, and supply chain services. The company owns a high-quality production factory located in Shanghai, equipped with advanced production equipment, sophisticated manufacturing processes, and a professional technical team, providing a solid guarantee for product quality.

Its core products include polysulfide sealant for insulated glass, hot melt butyl sealant, two-component silicone insulated glass sealant, two-component silicone structural sealant, one-component neutral silicone weatherproof sealant, structural sealant, trackless joint sealant, molecular sieve beads, etc. These products are widely used in various industries such as insulated glass, curtain wall projects, construction, doors and windows, concrete expansion joints, automobiles, and ships.

The company has passed the ISO9001:2000 Quality Management System Certification, obtained multiple invention patents in 2015, and some of its products have been filed with the Shanghai Construction Engineering Materials Management Center. With stable product performance and professional services, its products have successfully entered the international market, covering many countries and regions in the Middle East, Europe, etc., and have been highly praised by customers at home and abroad.

Based on the domestic and international insulated glass material markets, the company focuses on the field of construction sealant materials. Relying on the supply chain advantages of its own production factory, it provides high-performance adhesive structural sealant materials, diversified customer services, and personalized solutions for the curtain wall and door/window industry, insulated glass product industry, and construction engineering projects. Welcome to choose our products!

PRODUCTS

Silicone Sealant for Insulating Glass 中空玻璃硅酮密封胶	Polysulfide Sealant for Insulating Glass 中空玻璃聚硫密封胶	Hot Melt Butyl Sealant 热熔丁基密封胶	Silicone structural sealant for insulating glass 中空玻璃硅酮结构密封胶
Ballastless track silicone joint sealant 无砟轨道硅酮嵌缝密封胶	Silicone Weather-Resistant Sealant 硅酮耐候密封胶	Curtain Wall Structural Sealant 幕墙结构密封胶	

Quality Assurance & Social Responsibility



B PRODUCT DISPLAY

Silicone Sealant for Insulating Glass 中空玻璃硅酮密封胶

Features

CY993 silicone insulating glass sealant is a two-component, neutral curing silicone sealant specially designed for insulating glass assembly. It has excellent ozone resistance, UV radiation resistance, resistance to extreme temperature (-40°C-150°C) and excellent bonding performance. It has superior adhesion to most glass and coated glass. Neutral curing, non-corrosive to most buildings. After curing, it forms a silicone rubber body with excellent weather resistance an aging resistance.

CY993硅酮中空玻璃密封胶是专门为中空玻璃装配而设计的双组份，中性固化的有机硅密封胶。具有优良的抗臭氧性，防紫外线辐射、耐极限温度(-40°C-150°C)以及优良的粘结性能。对大多数玻璃和镀膜玻璃具有优越的粘结性。中性固化，对大多数建筑无腐蚀性。固化后形成硅酮橡胶体，具有卓越的耐候性和老化性。

Main Technical Data

(The following data are for reference only and are not recommended for formulating specifications)

No	Item	Specification		Measured Value
1	Appearance	Shouldn't have particles, lumps or skinning; no precipitates difficult to disperse quickly; the two components show a clear color difference.		No particles, lumps or crusts; no precipitates that are not easily dispersed quickly; Component A: White; Component B: Black
2	Density	Component A: white	Specified Value ± 0.1	1.7
		Component B: black	Specified Value ± 0.1	1.5
3	Pot Life	At 30 min, S	≤ 10	2.8
4	Tack-free time	≤ 2	≤ 2	1.0
5	Sag	Vertical placement	≤ 3	1
		Horizontal placement	No deformation	No deformation
6	Shore-A hardness	72 h	30—60	40
7	Tensile strength	MPa	≥ 0.6	0.7

Note: The above tests were carried out at a mixing ratio of 12:1, cured for 14 days at $(23 \pm 2)^{\circ}\text{C}$ and $(50 \pm 5)\% \text{RH}$; the product density is the measured value, and all other items meet the SR12.5E requirements of standard JC/T 486-2001.



Polysulfide Sealant for Insulating Glass 中空玻璃聚硫密封胶

Features

Excellent airtightness and solvent-free: produces no volatile compounds. Excellent thixotropic properties, suitable for all-around application. Low viscosity: simplifies application, improves efficiency, and reduces costs. After curing, it forms an elastomer with excellent adhesion to glass and metals such as aluminum alloys. Suitable for various climates: maintains its properties within a temperature range of -50°C to 100°C and can be applied within a temperature range of -5°C to 45°C. Compatible with various hot-melt butyl sealants, suitable for double-sealed insulated glass production.

气密性佳, 无溶剂: 不产生任何挥发性化合物。优异的触变性, 适合全方位施工。低粘性: 施工工艺简便提高效率, 降低成本。固化后形成弹性体对玻璃及铝合金等金属有优异的粘接力。适合各种气候: 能在-50°C至100°C温度范围内保持其特性及在-5°C至45°C范围内施工。与各种热熔丁基胶有相溶性, 适合于双道密封中空玻璃制作。

Main Technical Data

(The following data are for reference only and are not recommended for formulating specifications.)

No.	Item	Specification	Product Value
1	Appearance (Component A)	White, homogeneous paste	White, homogeneous paste
	Appearance (Component B)	Black, homogeneous paste	Black, homogeneous paste
2	Tensile adhesion strength (MPa) 72 h	≥0.6	≥0.6
3	Pot life, 30 min, S	≤10	2.8
4	Tack-free time	≤2	1
	Sag (vertical)	≤3	1
5	Sag (horizontal)	No deformation	No deformation
6	Hardness (Shore A) 24 h	20-60	30

Note: The above tests were carried out at 240.2 °C with a mixing ratio of A:B = 10:1; the product complies with the PS 12.5E requirements of standard JC/T 486-2001.



B

PRODUCT DISPLAY

Hot Melt Butyl Sealant

热熔丁基密封胶

Features

It has excellent sealing performance, non-melting property, and superior UV resistance. It has excellent bonding performance to aluminum and glass materials, and a wide range of operating temperatures. The solid content is 100%. It does not pulverize, harden, lose adhesion, or decompose when used continuously for 20 hours within a controllable temperature range.

有良好的密封性无熔性与抗紫外线性能优越,对铝、玻璃材料具有优越的粘结性能,使用温度范围广。固体含量100%.在可控温度范围内连续使用20小时不粉化、不变硬、不失粘、不分解。



Main Technical Data

(The following data are for reference only and are not recommended for formulating specifications)

No.	Item	Standard Requirements	Product Index
1	Appearance	Fine, homogeneous mastic without visible particles	Fine, homogeneous mastic without visible particles
2	Penetration	25° C: 30~50; 130° C: 230~330	25° C: 34; 130° C: 313
3	Shear Strength (MPa)	≥0.10	0.1
4	Volatility under UV irradiation	No fogging	No fogging
5	Thermal Weight Loss (%)	≤0.5	0.3

Silicone structural sealant for insulating glass 中空玻璃硅酮结构胶

Features

CY208 silicone structural adhesive is a two-component, high-performance building sealant with medium to high modulus and neutral curing, specially designed for structural assembly. It has excellent ozone resistance, UV radiation resistance, and can withstand extreme temperatures (-40 – 150°C). It has superior adhesion performance to most building materials, glass, and coated glass. It cures neutrally and is non-corrosive to most building materials. After curing, it forms a silicone rubber body with excellent weather resistance and aging resistance. Its main uses are mainly for glass curtain walls, bonding between glass and metal materials, and other bonding and sealing applications in construction and industry.

CY208硅酮结构胶是双组份,专门为结构装配而设计的中高模量,中性固化的高性能建筑密封胶,它具有优良的抗臭氧性防紫外NVIDIA线辐射耐极限温度(-40 – 150°C)对大部分建材、玻璃和镀膜玻璃具有优越的粘接性能;中性固化,对大多数建筑材料无腐蚀性;固化后形成硅酮橡胶体,具有卓越的耐候性和老化性基本用途主要用于玻璃幕墙,玻璃与金属材料之间的粘接,其它建筑与工业用粘接密封。

Main Technical Data (The following data are for reference only and are not recommended for formulating specifications)

No.	Item	Specification	Test Result
1	Appearance	Fine, homogeneous paste without bubbles, lumps, gel, skin or poorly dispersible precipitates	
2	Sag (vertical), mm	≤ 3	0
	Sag (horizontal)	No deformation	No deformation
3	Pot life (20 min), S	≤ 10	3.1
4	Tack-free time, h	< 3	0.7
5	Hardness, Shore A	30–60	47
6	Tensile adhesion @ 23°C	Tensile adhesion strength, $\text{MPa} \geq 0.6$	Tensile adhesion strength, Mpa 1.03
		Adhesion failure area $\leq 5\%$	Adhesion failure area 0%
7	Tensile modulus @ 40 % elongation	≤ 5	0.76

The tensile modulus at 23°C is a measured value; the results comply with GB 16776-2005.



Ballastless track silicone joint sealant

无砟轨道硅酮嵌缝密封胶

Features

1. A material that cures into a tough rubber-like solid upon contact with moisture in the air.
2. It has strong adhesion, high tensile strength, as well as weather resistance, vibration resistance, moisture resistance, odor resistance, and the ability to adapt to large temperature changes.
3. Since it does not flow under its own weight, it can be used for joints on overhead or side walls without sagging, collapsing, or flowing away.
4. The silicone sealant overcomes the characteristics of acidic silicone sealants that corrode metal materials and react with alkaline materials.
5. It can well fill all depressions on the surface and has good wettability.
6. It is dense and flexible in surface gaps, has good adhesion to metal surfaces, and forms a continuous adhesive film.
7. It does not corrode metals and is stable to media.
8. It can adapt to changes in external conditions without losing its sealing properties, etc.
9. Good resistance to ultraviolet rays, ozone, and weathering aging.
10. Good adhesion and excellent bonding properties to most building materials.

1.一旦接触空气中的水分就会固化成一种坚韧的橡胶类固体的材料。2.粘结力强，抗拉强度大，同时又具有耐候性、抗振性、防潮、抗臭气和适应冷热变化大的特点。3.因其不会因为自身的重量而流动，所以可以用于过顶或侧壁的接缝而不发生下陷、塌落或流走。4.本公司硅酮密封胶克服了酸性硅酮密封胶腐蚀金属材料与碱性材料发生反应的特点。5.能很好地填充表面的所有凹陷并具有良好的浸润性。6.在表面间隙中是致密的、柔韧的，在金属表面有良好的粘结性并形成连续的胶膜。7.不腐蚀金属，对介质稳定。8.能适应外界条件的变化而不失去密封性。9.具有良好的耐紫外线、耐臭氧和耐气候老化性能。10.具有良好的附着力，对大多数建材具有优异的粘结性。





Silicone Weather-Resistant Sealant 硅酮耐候胶

Features

Neutral silicone weather-resistant sealant is a one-component, medium-modulus product that is easy to use. Its neutral curing property is non-corrosive to metals, coated glass, and marble. It has excellent UV resistance and anti-aging performance, and will not be adversely affected by sunlight, rain, snow, ice, or extreme high and low temperatures.

Main uses: 1. Mainly used for joint filling and sealing of metal joints; 2. Joint filling and sealing for automobiles, and installation of various doors and windows; 3. Secondary bonding and sealing for insulating glass; 4. Joint filling and sealing for aluminum exposed frame and semi-hidden glass curtain walls; 5. Joint filling and sealing for metal structure projects.

中性硅酮耐候胶系单组份，中模量，使用方便，中性固化对金属，镀膜玻璃，大理石，无腐蚀;极佳的抗紫外线，耐老化性能，阳光，雨水，冰雪或极度高低温都不会造成不良景影响。

主要用途1.主要用于金属接合填缝密封 2.汽车填缝密封,各类门窗安装 3.中空玻璃二道粘接密封 4.铝板明框及半隐玻璃幕墙填缝密封 5.金属结构工程填缝密封

Main Technical Data

(The following data are for reference only and are not recommended for formulating specifications)



No.	Item	Standard Requirements	Product Index
1	Appearance	Fine, uniform paste without bubbles, agglomeration and gelation	Fine, uniform paste without bubbles, agglomeration and gelation
2	Sag resistance	Horizontal placement: No deformation; Vertical placement: ≤3	Horizontal placement: No deformation; Vertical placement: -
3	Tack-free time (h)	≤3	2.5
4	Extrudability (M/min)	≥80	-
5	Tensile Modulus (MPa)	23° C: >0.6; -20° C: >0.4 or >0.6	23° C: >0.6; -20° C: >0.6
6	Stretched Bonding Performance	No destruction	No destruction

B

PRODUCT DISPLAY



Curtain Wall Structural Sealant

幕墙结构密封胶

Features

The 995 series one-component neutral, room-temperature curing, high-performance structural sealant for construction is not adversely affected by ultraviolet rays, sunlight, rain, snow, ice, ozone, or extremely high temperatures. During construction, its essential properties remain unchanged within the temperature range of -10° C to 50° C. After curing, it maintains elasticity within the temperature range of -50° C to 150° C without hardening, cracking, or breaking.

No primer is needed. It can form strong adhesion to most building materials after curing, but the surface to be used must be clean and free of oil stains. It has excellent resistance to weathering and does not react with or corrode other materials. It can be used immediately without mixing catalysts or other raw materials.

995系单组份中性、室温固化、高性能的建筑用结构密封胶对紫外线、阳光、雨水、冰雪臭氧或极高温条件下不会有不良影响，施工能在-10℃至50℃的气温范围内保持本质不变，凝固时间后在-50℃至150℃的温度仍保持弹性，不会硬化破裂和碎裂。

— 无须打底漆，能在凝固后对大多数建筑材料产生强有力的附着力，但使用表面必须干净，无油污。优异的耐大气老化性能不会对其它材料产生反应或腐蚀作用，可立即使用，不用混合催化剂与其它原料。



Main Technical Data
(The following data are for reference only and are not recommended for formulating specifications)

Serial Number	Item	Standard Specification	Product Index
1	Appearance	Fine and uniform paste; No bubbles, no caking, or glue filling phenomenon	
2	Surface Drying Time (h)	≤3	0.9
3	Extrusion Time (S)	≤10	1.7
4	Sag Degree	Vertical placement: ≤3	Vertical placement: 0
		Horizontal placement: No deformation	
5	Tensile Adhesion at 23°C	Tensile adhesion strength (MPa): ≥0.6	Tensile adhesion strength (MPa): 0.19
		Elongation at maximum tensile strength (%): ≥100	Elongation at maximum tensile strength (%): 301
6	Tensile Modulus at 23°C (MPa)	At 10% elongation: -	At 10% elongation: 0.19
		At 20% elongation: -	At 20% elongation: 0.20
		At 40% elongation: -	At 40% elongation: 0.53
7	Hardness (shoreA)	20 - 60	44



Some of our customers

- Shanghai Hangqi Glass (formerly Shanghai Yaojiang Glass)
- Shanghai Ganxin Glass (formerly Shanghai Jiefu Glass)
- Shanghai Bozhong Glass
- Ningbo Daguangming Glass
- Chongqing Mingsite Glass
- Shanghai Xinchang Glass
- Shanghai Yaoyi Glass
- Shanghai Shanyi Glass
- Shanghai Liuxiang Glass
- Shanghai Kaidi Glass
- Shanghai Fuyi Glass
- Zhejiang Yaobo Glass
- Zhejiang Gaosheng Glass
- Changshu Xingwang Glass
- Suzhou Xinhe Tempered Glass
- Suzhou Huangbo Technology

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