

Product Name

产品名称

SMT- Silicone Sealant Special for Tires

SMT-轮胎专用硅酮密封胶

Description

描述

SMT - Silicone Sealant Special for Tires is a weatherproof sealant specially designed for tire sealing. It delivers excellent structural adhesion and weathering aging resistance.

During application, extrude the sealant from the cartridge into joints requiring sealing with a caulking gun. The sealant absorbs moisture from ambient air at room temperature and cures gradually from surface to core, forming an elastomer to achieve effective sealing.

This product is indicated for:

- Tire-specific

SMT - 轮胎专用硅酮胶，一款专为轮胎密封而设计的耐候胶，具有优异的结构粘接性能和耐气候老化性能。使用时用胶枪将胶从密封胶筒中挤到需要密封的接缝中，密封胶在室温下吸收空气中的水分，由表及里逐渐固化，固化成弹性体，形成有效密封。

本品适用于：

- 轮胎专用

Properties

产品特点

- Ketoxime-curing, one-component, neutral cure system, non-corrosive to metals and coated glass.
 - Excellent weathering resistance with good heat resistance, UV resistance, ozone resistance and water resistance.
 - Outstanding high and low temperature resistance. After curing, it will not become brittle, hard or crack at -50°C, and will not soften or degrade at 150°C while maintaining good strength and elasticity.
 - Excellent adhesion to most construction substrates.
 - Good compatibility with other neutral silicone sealants
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- 脱酮肟型、单组分、中性固化，对金属、镀膜玻璃无腐蚀
 - 优异的耐气候老化性能，耐热、耐紫外线、耐臭氧、耐水
 - 耐高低温性能卓越，固化后在-50°C不变脆、硬化或开裂，在 150°C不变软、降解，保持良好的强度和弹性
 - 对大部分建筑材具有优良的粘接性
 - 与其他中性硅酮胶具有良好的相容性

Applications

产品应用

Before application:

- Prior to application, compatibility tests between the sealant and contacting materials as well as adhesion tests on the substrates to be bonded shall be carried out.

Construction Method:

- All application surfaces must be clean, dry and free of contaminants.
- Fit the cartridge into a suitable caulking gun. Cut the nozzle according to joint width, then extrude sealant into the joint to ensure full contact between sealant and joint edges.
- Compact the sealant with a proper tool and scrape off excess material.

施工前:

- 施工前应进行密封胶与所接触材料的相容性试验和与待粘结基材的粘结性试验。

施工方法:

- 施工表面必须清洁、干燥、无污垢。
- 将胶管装在合适的胶枪上，根据接缝宽度切割胶嘴，将胶挤入接缝中，确保胶与接缝的边完全接触。
- 用合适的工具压实密封胶，并刮除多余的胶。

Storage

存储要求

This product is non-hazardous. Store in cool and dry place below 10-27°C. Shelf life: 12 months. Use as soon as possible.

本产品属于非危险品，储存于温度在10-27°C的阴凉干燥处，有效期为12个月，建议尽早使用。

Note

注意事项

- Shall not be used as structural glazing sealant.
 - Not suitable for copper and polycarbonate substrates.
 - Application is not recommended when substrate surface temperature is lower than 5°C or higher than 40°C.
 - Not suitable for frosty, damp areas or locations subject to continuous water immersion.
 - Use within shelf life; expired product shall not be used.
 - Construction shall be carried out strictly in accordance with adhesion test procedures.
 - Avoid direct contact with skin and eyes; do not ingest.
 - Keep away from children and store out of their reach.
 - Do not apply in airtight and poorly ventilated spaces, as the sealant cures by absorbing moisture from ambient air.
 - Trace chemical substances are released during curing. Adequate ventilation shall be maintained at work areas. The fully cured sealant is non-toxic to humans.
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- 不能作为结构密封胶使用。
 - 不宜用于铜及聚碳酸酯材料。
 - 材料表面温度低于5℃或超过40℃时，不宜施工。
 - 不宜用于结霜、潮湿或连续浸水的地方。
 - 应在产品保质期内使用，过期产品不得使用。
 - 应严格按照粘结性试验的流程施工。
 - 避免皮肤和眼睛直接接触，请勿吞食。
 - 避免小孩接触。请放置于儿童接触不到的地方。
 - 不宜用于密不通风的场所，因为密封胶需吸收空气中的水分固化。
 - 产品在固化过程中会释放出微量化学物质，作业场所应保持充分的通风，固化后对人体无毒。

Shelf life & Instruction

使用寿命和说明

Shelf life: 12 months

保质期：12 个月

These instructions are only recommendations, which are based on our experience. We advise preliminary testing before use.

这些说明只是基于我们的经验的建议。我们建议在使用前进行初步测试。

Packaging Specification

包装规格

This product is normally supplied in black. It is packed in 200L drums, and other capacities can be customized upon customer requirements.

本产品常规黑色。包装有 200L 桶装或可根据客户需求定制其他容量。

Technical Data Sheet (Condition: 23°C, 55%RH)

技术参数表 (条件: 23°C, 55%RH)

Test Items	Technical requirements	Typical Data	Test Method
Appearance	Smooth and uniform paste, free of bubbles, skinning and gel lumps	Smooth and uniform paste, free of bubbles, skinning and gel lumps	Visual inspection
Density, g/cm ³	1.32±0.1	1.32	GB/T 13477.2-2002
Extrudability, g/5s	≥30 (Nozzle tip diameter: ϕ 3.2 mm, operating pressure: 0.4 MPa)	40	GB/T 13477.4
Tack-free time, min	10-20	15	GB/T 13477.5
Cure rate, mm/24h	≥2.5	3.0	GB/T 13477.22
Tensile Strength, MPa	≥1.8	1.9	GB/T 528-2009
Elongation at Break, %	≥400	550	
Hardness, Shore A	30-40	33	GB/T 39693.4-2025

检测项目	技术指标	典型数据	检测标准
外观	细腻、均匀膏状物，不应有气泡、结皮或凝胶	细腻、均匀膏状物，不应有气泡、结皮或凝胶	目测
密度, g/cm ³	1.32±0.1	1.32	GB/T 13477.2-2002
挤出性, g/5s	≥30 (尖嘴 ϕ 3.2mm, 压力0.4MPa)	40	GB/T 13477.4
表干时间, min	10-20	15	GB/T 13477.5
固化速度, mm/24h	≥2.5	3.0	GB/T 13477.22
拉伸强度, MPa	≥1.8	1.9	GB/T 528-2009
断裂伸长率, %	≥400	550	
硬度, Shore A	30-40	33	GB/T 39693.4-2025