

加成型液体硅橡胶

Addition type liquid silicone rubber

1 简述 BRIEF INTRODUCTION

- 本产品为双组分包装的加成型液体硅橡胶
The product is a Two-component cure LSR.

2 主要特征 KEY FEATURES

- 产品成型效率高，节约能源
Forming efficiency, energy conservation
- 优良的机械性能
Excellent machinery performance
- 阻燃性能（2mm试片，UL94 V-0）
Flame retardant performance (2 mm sample, UL94 V-0)
- 符合UL认证
Pass UL

3 主要用途 APPLICATIONS

- 阻燃工业杂件（圈，垫等）
Flame Retardant Miscellaneous pieces of small industrial (ring, mat, etc.)
- 电线、电缆被覆材料
Wires and cables

4 包装 PACKAGE

产 品 说 明 书

TECHNICAL DATA SHEET

- 20 kg/桶，标准塑料直桶，内衬专用塑料袋。
20 kg / barrel, standard plastic barrel, with special plastic bag inside.
- 200 kg /桶，标准金属直桶，内衬专用塑料袋，花格木箱外包装。
200 kg / barrel, the standard metal barrel, with special plastic bag inside.

5 运输、安全及储存注意事项 NOTICE FOR TRANSPORTATION, SAFETY AND STORAGE

- 产品安全信息不包括产品的具体使用指导。
Product safety information does not include specific instructions for the use of the product.
- 使用前，请仔细阅读产品的使用说明和产品安全数据表，以及产品包装上的指示说明，使用若需要详细的安全信息，请向销售办事处索取材料安全数据表。
Please read the product instructions and product safety data sheet carefully, as well as the instructions on the product package before use. If you need detailed safety information, please ask the sales office for the material safety data sheet.
- 本产品无毒、无害，按非危险品运输；不可倒置，运输中应避免摔跌，避免与尖硬锐物相碰撞。
The non-toxic, harmless, non-dangerous This product is non-toxic and harmless. Transport according to rules of non-dangerous goods. Avoid tumble and collision with hard or sharp objects.
- 请在室温、通风、避雨防潮、避太阳直照下贮存。
Please store in water and damp-proof place at room temperature, keep ventilation, and avoid the direct sunlight.
- 保存期：胶料自生产日期起，室温可以存放12个月，6个月内使用为最佳。
Expiration: 12months at room temperature. It will be better to finish the products

within 6 months after open.

6 使用注意事项 ATTENTIONS

- 将A和B两组分混合时，配比不准确将会影响硫化过程和制品性能，因此一定要准确控制比例。

Strictly control percentage of A and B when mixing, for vulcanization and properties will be affected under wrong ratio.

- 硫化时间决定于硫化温度及制品厚度，具体硫化时间要根据实际情况调整。

Time of vulcanization depends on manufacturing and thickness of products. It should be adjusted according to different situation.

- 如果胶料接触某些如含氮、磷、硫、锡等化合物的物质，则会抑制硫化反应，严重将导致产品不硫化，应极力避免和此类物质接触。

Avoid mix products with nitrogen, phosphorus, sulfur and tin, etc. These materials may affect or stop vulcanization.

7 使用工艺 USE OF TECHNOLOGY

- 本产品是A和B双组分包装提供的，按1:1比例混合使用。建议用静态混合设备混合，可以隔绝空气。如果混合过程中带入气泡，必须彻底排气。建议硫化温度在120℃-150℃，最终以实际产品设计需求为准。

This product is composed by A & B packages. Suggest using in percentage1:1. Please mix A & B without air in static mixing equipment. Make sure releasing air if there are bubbles when mixing. It is suggested that the curing temperature should be between 120℃ and 150℃, and the actual product design requirements should prevail.

8 典型数据 TYPICAL PROPERTY DATA

Test Item 检测指标	Unit 单位	Test Conditions 测试条件	Test Method 测试方法	Data 数据	
				A component A组分	B component B组分
Appearance 胶料外观	--	--	--	灰白色	灰白色
Dynamic Viscosity 动力粘度	Pa·s	7#, 0.3rpm	DIN 53019-1	20000	20000
Density 密度	g/cm ³	-	ISO 2781	1.20	
Hardness 硬度	HA	-	ISO 48-4	65	
Tensile Strength 拉伸强度	MPa	-	JIS K 6251 Type 1	10.0	
Elongation 伸长率	%	-	JIS K 6251 Type 1	550	
Tear Strength 撕裂强度	N/mm	-	ISO 34-1 Die B	45	
Breakdown Voltage 击穿电压	kV/mm	1 mm	ASTM D149	25	
Volume Resistivity 体积电阻率	Ω·cm	--	IEC 60093	10 ¹⁵	
Flame Retardance 阻燃性	--	2 mm	UL 94	V-0	
Properties after Heat Ageing 热老化后的性能 (200°C×10d)					
Hardness 硬度	HA	-	ISO 48-4	72	
Tensile Strength 拉伸强度	MPa	-	JIS K 6251 Type 1	8.0	
Elongation 伸长率	%	-	JIS K 6251 Type 1	300	
Properties after Heat Ageing 热老化后的性能 (140°C×7d)					
Hardness 硬度	HA	-	ISO 48-4	67	

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Tensile Strength 拉伸强度	MPa	-	JIS K 6251 Type 1	8.8
Elongation 伸长率	%	-	JIS K 6251 Type 1	450

- 试片成型条件：105℃×15min制片，二次硫化200℃×4h。

Cure conditions: 105℃×15min in press, post-cured 200℃×4h.

- 上述表中所列物性数据仅供参考，若需要货物的检验报告，请向销售办事处索取。

The data is just for reference, For performance data and safety information of specified products, please contact the Wynca Tinyo Silicone CO., LTD.

9 工业使用说明 FOR INDUSTRIAL USE

- 使用者有义务对将使用新安天玉有机硅有限公司产品的适用范围以及用途进行了解；请勿将新安天玉有机硅有限公司产品用作移植或注入人体用途。

The user has the obligation to understand the scope of application and use of the products of Wynca Tinyo Silicone CO.,LTD. Our products can not be implanted or injected into the human body.