

# 产 品 说 明 书

## TECHNICAL DATA SHEET

TYL-6C11/30A, TYL-6C11/30B

### 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发泡液体硅橡胶，适宜采用压延成型方法加工成型制品。  
The product is a two-component addition-cure foaming LSR, which is suggested to processed by calendering molding.

#### 2 主要特征 KEY FEATURES

- |                         |                                 |
|-------------------------|---------------------------------|
| ● 阻燃<br>Flame retardant | ● 低压缩变形率<br>Low compression set |
| ● 可陶瓷化<br>Ceramifiable  | ● 闭孔发泡<br>Closed-Cell           |
| ● 低密度<br>Low density    | ● 符合RoHS认证<br>Pass RoHS         |

#### 3 主要用途 APPLICATIONS

- |   |   |
|---|---|
| ● 发泡卷材<br>Foamed coil                               | ● 减震材料<br>Damping material              |
| ● 防水密封材料<br>Waterproof-sealing material             | ● 隔音材料<br>Sound insulation material     |
| ● 防火阻燃材料<br>Fire-proof and Flame-retardant material | ● 隔热保温材料<br>Thermal insulation material |

#### 4 包装 PACKAGE

- 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.

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- 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
- 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6个月, 3个月内使用为最佳。  
Expiration: 6 months at room temperature. It will be better to finish the products within 3 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、B双组分包装提供的, 使用方法: A组分和B组分按1:1混合使用。建议用动态混合设备混合。建议在70℃-90℃条件下发泡10min。然后, 160℃-180℃再继续熟化10min。  
This product is composed by A & B two components. Usage: mix A with B according to 1:1. Please mix A & B in dynamics mixing equipment. It is suggested that 70 °C- 90 °C foam for 10 minutes. After foaming, continue curing at 160 °C-180 °C for 10min.

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Wynca新安 新安天玉有机硅有限公司  
WYNCA TINYO SILICONE CO., LTD  
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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	--	--	--	White 白色	Grey 灰色
Specific Gravity 密度	g/cm <sup>3</sup>	-	ISO 2781	0.42	
Hardness 硬度	Asker C	-	JIS K7312	30	
Tensile Strength 拉伸强度	MPa		ISO 37	0.45	
Elongation at Break 断裂伸长率	%		ISO 37	90	
Compression Force Deflection 压缩反弹应力	kPa	25%	ASTM D 1056	110	
Water Absorption 吸水率	%	--	ASTM D1056	0.5	
Compression Set 压缩永久变形	%	50%×100℃× 72h	ASTM D 1056	2.0	
Flame Retardance 阻燃性	--	5 mm	UL 94	V-0	

- 试片成型条件：发泡成型80℃×10min，二次硫化180℃×1h。  
Cure conditions: Foamed and cured 80℃×10min, post-cured 180℃×1h.
- 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.

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