

STARSIL[®] 622V100-V400

概述

STARSIL[®] 622V100-V400 是中等分子量直链环氧基封端聚二甲基硅氧烷。特别设计作为反应性中间体使用。

用途

STARSIL[®] 622V100-V400 可以用于:

- 各种端基反应性线性改性硅油;
- 有机硅嵌段共聚硅油柔软剂的关键中间体原料, 其三元共聚硅油制成品克服了目前普通氨基硅油的黄变, 不亲水和破乳粘辊三大缺点;
- 与端基的环氧基反应, 把硅氧烷链端及有机硅特性引入有机树脂中, 特别是在环氧树脂中起增韧, 提高电性能, 降低内应力等;
- 脱模效果卓越, 是环氧树脂内外脱模剂的理想材料;
- 对纤维和填料的亲合性好, 具有类似硅烷偶联剂的作用, 可增加界面结合力, 提高复合材料制品的强度;
- 加成型硅橡胶的广谱增粘剂, 用于铝和玻璃的增粘效果很好。

优点

STARSIL[®] 622V100-V400 具有下列性能:

- 非常好的粘度稳定性;
- 加成反应较完全;
- 反应活性高;
- 无毒, 无刺激性。

特性

| 性能 | 622 | | | |
|--------------------------------|-----------------|--------|--------|--------|
| | V100 | V150 | V300 | V400 |
| 外观 | 无色或淡黄色、无机机械杂质液体 | | | |
| 分子量, 约 | 6000 | 8000 | 10000 | 13000 |
| 粘度 25°C, mm ² /s, 约 | 145 | 190 | 290 | 480 |
| 环氧值, (mol/100g), 约 | 0.0320 | 0.0264 | 0.0205 | 0.0161 |
| 挥发分, %, (1g, 105°C, 1h), 约 | 2.0 | 2.0 | 2.2 | 2.0 |

包装

STARSIL[®] 622V100-V400 以聚乙烯塑料桶装, 净重 190kg。

储存与保存期限

储存于阴凉、通风干燥仓库内, 远离火种、热源, 禁止阳光暴晒。仓库内的照明、通风等设施应采用防爆类型产品, 在+30°C以下条件下保存在原装密闭容器中, STARSIL[®] 622V100-V400 的标准有效期是从生产日期起 12 个月(失效日期)。包装要求密封, 应与氧化剂、酸类、碱类、食用化工原料分开存放。请参考包装上的储存建议和失效日期。搬运时轻装轻卸, 防止包装及容器损坏。按非危险品运输。超过这个日期后, 蓝星有机硅将不再保证产品符合销售的指标。

安全

请参考 STARSIL[®] 622V100-V400 的安全数据表 (MSDS)。

请访问我们的网站: www.lxxh.chemchina.com

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技术数据表
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STARSIL[®] 622V100-V400

| Description | STARSIL[®] 622V100-V400 is medium viscosity α , ω -epoxy-terminated dimethylpolysiloxane fluid. Used as raw material of organo-modified silicone products. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------|--------|--------|--|--|------|------|------|------|------------|--------------------------------|--|--|--|--------------------------|------|------|-------|-------|--|-----|-----|-----|-----|-----------------------------------|--------|--------|--------|--------|--|-----|-----|-----|-----|--|--|--|
| Applications | STARSIL[®] 622V100-V400 are used as: <ul style="list-style-type: none">• Intermediate in the synthesis of linear terminated organo-modified silicone products for a large variety of applications;• Key intermediate for (AB)_n form silicone fluid which overcome the yellowing, water-repellent and easily demulsification and stick roller of general amino-silicone oil,• Raw material of organic poly-modified material, such as plastic resin used in the modification reaction, especially used in epoxy resin, toughness and dielectrically property could be enhanced and internal stress could be decreased,• Excellent release effect, it is an ideal material for inside and outside epoxy mold release agent,• Good affinity to fiber and filler, having silane coupling agent similar effect to improve the interfacial bonding strength, improve the strength of the composite article,• Adhesion agent of additional silicone rubber, good adhesion effect for aluminum and glass. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special properties | STARSIL[®] 622V100-V400 have the following characteristics: <ul style="list-style-type: none">• Excellent viscosity stability,• SiH reaction thoroughly,• High addition reaction,• Non-toxic, non-irritating. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Characteristics | <table border="1"><thead><tr><th rowspan="2">Properties</th><th colspan="4">622</th></tr><tr><th>V100</th><th>V150</th><th>V300</th><th>V400</th></tr></thead><tbody><tr><td>Appearance</td><td colspan="4">No mechanical impurity liquids</td></tr><tr><td>Molecular weight, approx</td><td>6000</td><td>8000</td><td>10000</td><td>13000</td></tr><tr><td>Viscosity (at 25°C, mm²/s, approx.)</td><td>145</td><td>190</td><td>290</td><td>480</td></tr><tr><td>Epoxy content (mol/100g, approx.)</td><td>0.0320</td><td>0.0264</td><td>0.0205</td><td>0.0161</td></tr><tr><td>Volatiles (% , 1g, 105°C, 1h, approx.)</td><td>2.0</td><td>2.0</td><td>2.2</td><td>2.0</td></tr></tbody></table> | Properties | 622 | | | | V100 | V150 | V300 | V400 | Appearance | No mechanical impurity liquids | | | | Molecular weight, approx | 6000 | 8000 | 10000 | 13000 | Viscosity (at 25°C, mm ² /s, approx.) | 145 | 190 | 290 | 480 | Epoxy content (mol/100g, approx.) | 0.0320 | 0.0264 | 0.0205 | 0.0161 | Volatiles (% , 1g, 105°C, 1h, approx.) | 2.0 | 2.0 | 2.2 | 2.0 | | | |
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| Packaging | STARSIL[®] 622V100-V400 is supplied with net weight 190kg/drum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage and shelf life | When stored in its original unopened packaging at a temperature of between -20°C and +50 °C and cool, ventilated warehouse, away from fire and heat. Warehouse lighting, ventilation and other facilities should be explosion-proof type of product. STARSIL[®] 622V100-V400 may be stored for up to 12 months from its date of manufacture (expiry date). Required sealed packaging and with oxidants, acids, bases, food chemicals stored separately. Handle with care to prevent discharge damage to packaging and containers. Comply with the storage instructions and expiry date marked on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Safety | Consult the Safety Data Sheet of STARSIL[®] 622V100-V400 . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Visit our website: www.lxxh.chemchina.com


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