



产 品 说 明 书
Product Instruction

产品名称：
绝缘漆

Product Name:
Insulating Varnish

产品型号：
E962

Product Model:
E962

厂商名称：珠海长先新材料科技股份有限公司
Manufacturer: Zhuhai Changxian New Material Technology Co., Ltd.
厂商地址：珠海市高栏港经济区精细化工区浪湾路
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E962 绝缘漆

E962 Insulating Varnish

产品特性:

Features:

- 改性聚酯树脂。
- 可自干。
- 不阻焊。
- 耐热等级: B 级 (130℃)。
- Modified polyester resin.
- Air-drying.
- Does not interfere with soldering.
- Thermal class: Class B (130°C).

用途:

Applications:

广泛用于线路板保护、电感线圈、变压器、中小型电动马达及其他电器产品。

For circuit boards, inductive coils, transformers, small and medium-sized motors, and other electrical products.

性能指标:

Performance Specifications:

序号 No.	指标名称 Property	试验条件 Test Conditions	指标值 Specification
1	外观 Appearance	— —	淡黄色透明 Pale yellow transparent
2	粘度 Viscosity	25℃, 涂-4#杯 25°C, Tu-4 cup	40~60 秒 40~60 s
3	比重 Specific gravity	25℃ 25°C	0.95±0.02 0.95±0.02
4	不挥发份 Non-volatile content	105℃/3h 105°C/3 h	40.0±2.0% 40.0±2.0%
5	表干时间 Surface drying time	25℃ 25°C	10~15 分钟 10~15 min
6	表干时间 Surface drying time	80℃ 80°C	5~10 分钟 5~10 min
7	实干时间 Through drying time	80℃ 80°C	75 分钟 75 min
8	介电常数 Dielectric constant	1 MHz, 25℃ 1 MHz, 25°C	2.7 2.7
9	体积电阻率 Volume resistivity	常态 (Ω·cm) As received (Ω·cm)	$\geq 1 \times 10^{14}$ $\geq 1 \times 10^{14}$

序号 No.	指标名称 Property	试验条件 Test Conditions	指标值 Specification
10	体积电阻率 Volume resistivity	浸水 24h 后 ($\Omega \cdot \text{cm}$) After water immersion for 24 h ($\Omega \cdot \text{cm}$)	$\geq 1 \times 10^{13}$ $\geq 1 \times 10^{13}$
11	电气强度 Electric strength	常态 (kV/mm) As received (kV/mm)	≥ 40 ≥ 40
12	电气强度 Electric strength	23 $\pm$ 2℃蒸馏水中浸 24h After immersion in distilled water at 23 $\pm$ 2℃ for 24 h	$\geq 30 \text{ kV/mm}$ $\geq 30 \text{ kV/mm}$
13	耐热等级 Thermal class	— —	B 级 (130℃) Class B (130℃)
14	配套稀释剂 Designated thinner	— —	X-7 系列 X-7 Series

以上数据为实验室测试结果，仅供参考。

The above data are laboratory test results and are provided for reference only.

注意事项:

Precautions:

1. 客户应根据产品形状、大小及具体要求，通过试验确定稀释比例、烘烤温度和烘烤时间；建议烘烤温度不超过 100℃。
2. 本品在空气湿度较大的情况下易吸潮发白，烘烤后不影响产品性能。
3. 本品易燃，请远离火源和热源。
1. Determine the dilution ratio, baking temperature and baking time through testing according to the product shape, size and specific requirements. A baking temperature not exceeding 100°C is recommended.
2. Under high-humidity conditions, this product may absorb moisture and turn whitish. This does not affect product performance after baking.
3. This product is flammable. Keep away from ignition sources and heat.

包装、储运及保质期:

Packaging, Storage, Transportation and Shelf Life:

- 包装:
20L/桶、200L/桶
- 储运:

请远离火源、热源，按法规搬运。

本产品存储和使用过程中，禁止太阳光、紫外光照射漆液，存放于阴凉通风处，存储温度应低于 40℃。

使用过程中产品不宜长时间密闭静置，适当流动搅拌有利于延长存储时间。

本产品在存放过程中，粘度会发生轻微增长，使用时用专用稀释剂兑稀到使用粘度，使用即可。

- 保质期:
密闭保存，存储温度应低于 40℃，保质期为 6 个月
- Packaging:
20 L/pail; 200 L/drum.

- **Storage and Transportation:**

Keep away from ignition sources and heat. Handle and transport in accordance with applicable regulations.

Protect the varnish from sunlight and ultraviolet light during storage and use. Store in a cool, well-ventilated area below 40°C.

During use, avoid leaving the product sealed and undisturbed for prolonged periods. Gentle circulation or stirring helps extend storage life.

Viscosity may increase slightly during storage. Before use, adjust to the required application viscosity with the designated thinner.

- **Shelf Life:**

Six months when stored in sealed containers below 40°C.

安全操作须知:

Safe Handling Instructions:

安全使用须知不在此列出，操作前请阅读本产品的化学品安全说明书（MSDS），可从本公司业务专员处获得。

Safety instructions are not listed in this document. Before operation, please read the Material Safety Data Sheet (MSDS) of this product, which can be obtained from our sales representative.

温馨提示:

Please Note:

- 由于我们的产品会持续优化和改进，本手册中的相关信息可能会根据实际情况进行调整，不另行通知。如需获取最新版本或了解更多信息，欢迎随时联系我们的销售团队。

- 本公司严格按相关产品标准控制质量和提供产品（特制品按双方约定）。产品应用条件的多样性和多变性，且均非我们所能控制，因此用户应对本产品之说明书与施工参考工艺所介绍的信息和产品预先进行试验和评估，自行确定对其特定用途的适用性。

- As our products are continuously improved, the information in this manual may be updated from time to time without prior notice. Please feel free to contact our sales team for the latest version.

- Do not mix this product with other products.

- We strictly control product quality and supply products in accordance with applicable product standards. Custom products are supplied according to mutually agreed specifications. Application conditions vary and are beyond our control. Users should therefore test and evaluate the product and the information provided in this manual and the recommended application procedures to determine suitability for their specific use.