

JDB730

Polyurethane Pouring Sealant

聚氨酯灌封胶

DESCRIPTION 产品描述

JDB730 is a kind of two-component and room temperature or heat cured polyurethane pouring sealant that is suitable for package sealing of electronic appliances. After curing, it has high strength, high toughness, resistance to moisture and other atmospheric components, solvent-free and non-curing by-products, as well as stable mechanical and electrical properties between -40 and 125°C.

JDB730 F是一种双组份，可室温或加热固化的聚氨酯灌封胶。适合电子电器的封装密封。固化后具有高强度、高韧性，抵抗湿气和其它大气组分，无溶剂、无固化产物，在-40~125°C间稳定的机械和电气性能。

FEATURES 产品特性

- Solid content 100%, no harmful gas volatilization, non-toxic, environmental protection.
固含量100%，无有害气体挥发，无毒，环保。
- Low water absorption, good adhesion, and good electrical performance.
吸水率低，附着力好，电气性能好。
- Two component, flame retardant and thermal conductivity.
双组份，具有阻燃和导热性能。
- It is vibration resistant, moisture-proof, corrosion-resistant and free from environmental damage.
抗振、防潮、防腐蚀，免受环境侵害。
- Suitable for pouring of the electronic appliances, such as LED driving power supply, which require insulation waterproofing, heat conduction and flame retardant.
适用于需要绝缘、防水、导热、阻燃电子电器的灌封，如 LED 驱动电源。

TECH. DATA 技术参数

Item 项目	Typical Value 典型值		Testing Standard 测试标准
Uncured Properties 固化前特性 (23°C ± 2°C / 50 ± 5%RH)			
Components 组分	A	B	--
Appearance 外观	Brown liquid 棕色液体	Grey fluid 灰色流体	Visual test 目测
Viscosity 粘度 mPa·s	200±50	1800±500	GB/T 2794-2013
Specific gravity 比重 g/cm ³	1.10±0.05	1.20±0.1	GB/T 13477.2-2002
Mixing ratio by weight 重量比混合 A:B	30	100	—
Viscosity after mixing 混合后粘度 mPa·s	1000±500		GB/T 2794-2013
Specific gravity 比重 g/cm ³	1.20±0.10		GB/T 13477.2-2002
Pot life 可操作时间 Min	<60		GB/T 7123.1-2015
Cured Time 完全固化时间25°C h	6-12		GB/T 7123.1-2015
Cured Time 完全固化时间60°C Min	60		GB/T 7123.1-2015
Cured Properties 固化后特性 (23°C ± 2°C / 50 ± 5%RH X24 hours)			
Appearance 外观	Black elastomer 黑色弹性体		Visual test 目测
Hardness 硬度 Shore A	75±10		GB/T 531-1999
Coefficient of expansion 膨胀系数 μm/ (m · °C)	≤120		GB/T 20673-2006
Tensile strength 拉伸强度 MPa	1.0~2.0		ASTM D412
Thermal conductivity 导热系数 W/m.K	0.5±0.1		ISO/DIS 22007-2.2
Volume Resistivity 体积电阻率 Ω·cm	3.0 × 10 ¹³		ASTM D257
Dielectric Strength 介电强度 kV/mm	≥27		ASTM D149
Dielectric constant 介电常数(50Hz)	≤3.5		ASTM D150
Dielectric loss 介电损耗(50Hz)	≤0.02		ASTM D150
Water absorption rate 吸水率 % (24h · 25°C)	<0.2		GB/T 8810-2005
Flame retardant performance 阻燃性能 94UL	V-2		ASTM
Operating Temperature 工作温度 °C	-40°C ~ 125°C		—

INSTRUCTIONS FOR USE 使用说明

1 Make sure that the indoor humidity is below 40 °C before use. Do not open the package until then .

使用前必须确保室内湿度在 40° C 以下，在此之前请勿打开包装。

2 Before mixing, component B must be mixed evenly, and then proportioned according to the ratio of A: B =

30:100 When mixing, attention must be paid not to introduce too much air. It is recommended to use automatic mixing equipment, which can not only accurately mix resin and curing agent according to the correct ratio, but also will not introduce air.

混合前，必须先把B组分搅拌均匀，再按A:B=30:100比例进行配比，当混合时，必须注意不要导入过多的空气，建议使用自动混合设备不仅可以按正确比例精准混合树脂和固化剂，而且不会导入空气。

3 If not used, the containers for Component A (curing agent) and Component B (resin) must be sealed at all times to prevent inhalation of moisture.

如果不使用，A 组分（固化剂）和 B 组分（树脂）的容器必须在任何时候都保证处于密封状态，以防止吸入潮气。

4 Barreled materials must be thoroughly mixed before use. Insufficient mixing may result in unstable or incomplete resin properties.

桶装物料在使用前必须充分混合，不充分的混合会导致树脂性能不稳定或不完全。

MATTERS NEEDING ATTENTION 注意事项

1 Keep away from children.

远离儿童存放。

2 It is recommended to use in a well-ventilated place.

建议在通风良好的场所内使用。

3 Avoid direct contact during use. Use protective equipment such as gloves. If you accidentally stick to your skin, immediately wash with soapy water. If you accidentally stick to your eyes, first wash with plenty of water and go to the hospital for examination.

使用时避免直接接触，应使用手套等保护设备，若不慎粘到皮肤上，须马上用肥皂水清洗。若不慎粘到眼睛上，须先用大量的水清洗并到医院检查。

4 For industrial use only. For more details, please refer to the MSDS.

仅限工业用途，详情请参考MSDS。

STORAGE AND SHELF LIFE 存储与寿命

1 Store in a cool and dry place away from direct sunlight. Temperature should be below 28°C, and relative humidity should be below 40%.

存放于干燥、阴凉处，避免太阳直晒，温度在28°C以下，相对湿度在40%以下。

2 Keep out of the reach of children.

存放于儿童无法触及处。

3 Shelf life: six months from the date of manufacture.

有效期：6个月。

PACKAGING SPECIFICATION 包装规格

1 A组分：5kg /bucket

5公斤/桶

2 B组分：25 kg /bucket

25公斤/桶

PLEASE READ CAREFULLY 请仔细阅读：

The various data contained in this document are obtained by the Company under laboratory standard conditions, are for reference only and are subject to the actual test data during use. The product usage methods covered in this manual are only our company's recommendations. To ensure safety and application of the materials under the conditions of final use, it is necessary for clients to confirm applicability of the product through experiments. The Company does not make any commitment to the data obtained under other different instruments or conditions. And our company declares that it will not bear any responsibility for the consequences arising from any client's use of the product for unsuitable purposes.

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