

## 一、物料与厂商资料 Material and Supplier Information

物料名称: 尼龙树脂 Material Name: Nylon resin
物料编号: PA46 TS250F6D Material No.: PA46 TS250F6D
制造商或供货商名称: 东莞市华晶电子有限公司 Supplier Name: Bright-E Electronic Technology CO.,LTD 制造商或供货商地址: 东莞市常平镇黄泥塘禾石路1号 Supplier Add: No.1 He Shi Road, Huang Ni Tang, ChangPing Town, DongGuan City, GuangDong Province
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## 二、成分辨识资料 Composition/Information On Ingredients

材料名称: 尼龙树脂 (PA46) Material Name: Nylon resin(PA46)		
化学品名称 Chemical Name	CAS 编号 CAS NO.	含量 (%) Content (%)
PA46 树脂 Nylon Resin	50327-22-5	67~57
玻璃纤维 Glass Fibre	65997-17-3	30
三氧化锑 Antimony Trioxide	1309-64-4	0~10
助剂 Additives	N/A	3

## 三、危害辨识数据 Hazards Identification

最重要危害效应 The most important hazards effects	进入人体之途径: <input type="checkbox"/> 吞食 <input type="checkbox"/> 皮肤接触 <input type="checkbox"/> 吸入 The way to enter the human body: <input type="checkbox"/> Ingestion <input type="checkbox"/> Skin contact <input type="checkbox"/> Inhalation
	健康危害效应: 急性: 无 慢性: 无 The harmful effects on health: Acute:None Chronic:None
	健康危害效应 The harmful effects on health
	眼睛: None Eye: No valid data
	皮肤: 熔融时接触会烫伤。 Skin: Contact can cause burns during melting material.
	吸入: 料粒不大可能吸入。 Inhalation: Materials are not likely to be inhaled.
	食入: 没有显著有害效应。 Ingestion: No obvious harmful effects.

**四、急救措施 First Aid Measures**

不同暴露途径之急救方法 First aid method fro different exposure routes:

吸入：将患者转移到空气新鲜处，休息，保持利于呼吸的体位。如果出现症状，寻求医疗救护。

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion, Consult a physician after significant exposure.

皮肤接触：用大量水冲洗受污染的皮肤，不要从皮肤上剥离熔融材料，如果出现症状，寻求医疗救护；

Skin contact: Cool skin rapidly with cold water after contact with molten material, Do not peel molten material from the skin. Obtain medical attention if symptoms persist.

眼睛接触：立即用大量水冲洗眼睛，并不时提起上下眼睑，检查和取出任何隐形眼镜，如果感到疼痛，请就医治疗。

Eye contact: Flush eyes with running water as a precaution, occasionally lift the upper and lower of eyelids and take out the contact lenses. Obtain medical attention if symptoms persist.

食入：催吐，用清水漱口。

Ingestion: Induce vomiting, Drink water as a precaution.

**五、消防措施 Fire-Fighting Measures**

灭火材料：水、泡沫、干粉、二氧化碳

Suitable extinguishing media: Water, Foam, Dry Power, Carbon dioxide (CO<sub>2</sub>)

灭火时可能遭遇之特殊危害：无。

Specific hazards during fire fighting: Large molten masses may ignite spontaneously in air. Water quenching is good practice. Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon monoxide.

特殊灭火程序：移除可燃物。

Special fire fighting procedures: Remove combustibles.

灭火者防护：消防人员使用供氧式呼吸防护具。

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. wear suitable protective equipment.

**六、泄漏处理方法 Accidental Release Measures**

人员防护措施 Personnel precautions:

处置人员在处置过程中应穿戴适当的防护装备，避免皮肤和眼睛接触，避免吸入粉尘。事故处置完成后，应严格遵循全身清洗程序。

Works should wear suitable protective equipment during the disposal process, prevent skin and eye contact and inhale dust. The full body cleaning procedure should be strictly followed after disposal.

保持泄漏区域的充分通风，移走一切点火源（包括非防爆型的电气设备），大量泄漏情况下，疏散所有不必要的和无防护的人员至上风向安全区域。如产品残留在路面、地面上，可能引起滑跌，切勿接触或踩踏泄漏物。防止扬尘和粉尘积聚。

Keep well ventilation in the leakage area, remove all ignition sources (including non explosion proof electrical equipment). Evacuate all unprotected personnel to a safe place. Do not touch it if the product remains on the ground. Prevent flying dust and dust accumulation.

**环境保护预防措施 Environmental protections and precautions:**

切勿将本品冲入土壤、下水道、排水沟或其他任何水源。将所收集的泄漏物当作工业有害废弃物处置。

Try to prevent the material entering soil, drains, water courses or other water sources, Dispose of the collected leaked materials as industrial hazardous waste.

**清理方法 Methods for cleaning up :**

扫除或使用吸尘器收容泄漏物，并将其置于化学废弃容器中。用大量的水冲洗泄漏区域的残留泄漏物，并建议对清洗水进行回收处置。

Sweep up or vacuum up spillage and collect in suitable container for disposal. Flush the residual with running water in the leakage area, Waste water must be disposed of in accordance with local regulations.

**水中泄漏 Accidental leakage of water source:**

一旦本品意外地进入河流、湖泊或海洋，立即通知有关部门，并依照任何适用的法规来采取必要的措施。避免水生动物和鸟类摄取。

Once this product accidentally enters rivers, lakes, or oceans. Immediately notify the relevant departments and take necessary measures in accordance with local regulations. Avoid ingestion by aquatic animals and birds.

**防止发生次生灾害的预防措施 Preventive measures to prevent secondary disasters from occurring:**

处理后应彻底清洁受污染的地面。确保移走泄漏区域现场任何的点火源，并对现场进行充分地通风，以免二次事故的发生。

The contaminated ground should be thoroughly cleaned. Ensure the removal of any ignition sources and keep well ventilation. Prevent the occurrence of secondary accidents.

## 七、安全处置与储存方法 Handing And storage

**安全处置注意事项和措施 Measures and precautions on safe handing :**

操作应在通风良好区域进行，提供局部通排风系统，并注意定期（至少一年一次）调修设备。室内操作时需检测作业环境，确保能有效的改善环境。成型作业时，设置有效的局部通排风设备，排出熔融处理中产生的气体，避免吸入。搬运过程应防止容器泄漏；如产品残留在地面上，可能引起滑跌，应及时清理。室温下颗粒状树脂不会燃烧或爆炸，但作业场所应消除一切点火源（包括非防爆型电气设备）操作过程中避免不必要的高温。不要将高温树脂滞留在加工机器中数小时，应及时清理。采取措施，预防静电危害。将粉尘源完全封闭。

The operation should be carried out in a well ventilated area, providing a local ventilation system, Regular maintenance of equipment(at least once a year). It is necessary to check the working environment when operation indoors, Set up effective local ventilation equipment during the molding. Exhaust the gas generated during the melting process to prevent inhalation. Prevent container leakage during the handling process. If the product remains on the ground, it may cause slipping and should be cleaned up in time.

Resin particles will not burn or explode at general room temperature, but all ignition sources (including non explosion proof electrical equipment) should be removed in the workplace. Avoid high temperatures during the operation process. Do not leave high-temperature resin on the machine for a long time, Take measures to completely seal off the dust source to prevent static electricity hazards.

设计时尽量考虑不产生粉尘（如少切割、少研磨）的作业工序。杜绝野蛮操作或抛掷。玻璃纤维与路上的粉尘相似，对人体的危害很小，但需要采取适当的措施，避免无谓的吸入。将车间分区，避免玻璃纤维粉尘扩散。一般操作处理条件下玻璃纤维不会以单独物质的形式暴露，而是存在于混合颗粒中。但根据环境和操作条件，切割、接地或燃烧含玻璃纤维的颗粒或熔融部件时，应尽量减少玻璃纤维或含玻璃纤维的粉尘的暴露。对玻璃纤维过敏的工人应穿合适的防护服，尽量减少皮肤暴露。操作人员应参考“第八部分”内容进行合适的个体防护。

Try to consider operating procedures that do not generate dust (such as cutting, grinding) when designing, Glass fiber is similar with dust on the road, the harm to the human body is minimal, but need to take measures to avoid unnecessary inhalation. Divide the workshop into different areas to prevent the spread, it will not be exposed as a alone substance under general operating conditions but it exists in the mixed particles. Workers who are allergic to fiberglass should wear suitable protective clothing to prevent skin contact. Workers should refer to the content of "Sections 8th" for personal protection.

#### 储存 Storage:

安全储存条件 Safety storage measures:

储存于阴凉、干燥、通风良好的区域避免阳光直射和高温。远离热源和引火源，严禁烟火。

Storage in a cool, dry, and well ventilated area, Prevent from direct sunshine and high temperature, keep away from heat source、ignition source and no fire.

安全技术措施 Safety technical measures:

保持容器密封完好。

Keep container tightly closed in a dry and well-ventilated place. Protect from contamination.

包装材料 Packaging Material:

没有特殊要求

No special requirements for packaging material

## 八、暴露预防措施/个人防护 Exposure controls /Personal protective

容许湿度：（TLV）未定

Allowable humidity: （TLV）No defined

通风设备：排除粉，烟及气体时使用。

Ventilation equipment : Use it during removing dust, smoking, and gas.

**个人防护 Personal protective:**

眼部：使用安全眼镜或护目镜。

Eye protective: Safety glasses with side-shields or goggles.

呼吸：使用含有中、低有机蒸气滤罐之面具。

Breathing: Wear masks with medium to low organic vapor filters.

手部：接触熔胶时使用防护手套。

Hands protective: If there is a potential for contact with hot/molten material wear protective gloves with heat resistant, wear resistant, high temperature resistant.

防护服设备：1. 防护服、防护鞋；2. 工作区须有紧急冲淋器。

Protective clothing: 1. Protective clothing and footwear; 2. Install a shower in the work area.

**个人卫生 Personal Hygiene :**

1. 工作后速脱掉污染衣物, 且须告知洗衣人员污染危害性。

Immediately remove clothing contaminated and protective equipment after work,  
The laundry personnel must be informed of the pollution hazards.

2. 工作场所严禁吸烟或饮食。

No smoking and eating in the work area.

3. 处理本物质后须及时洗手。

Wash your hands promptly after handling the substances.

4. 维持作业场所清洁。

Keep cleaning in the workplace.

**九、物理及化学性质 Physical and chemical properties**

刺激性：分解后之塑料所产生的烟及蒸气会刺激眼睛。

Irritation: The smoke and vapor produced by decomposed plastic can irritate the eyes.

**十、安定性及反应性 Stability and reactivity**

稳定性：在正常的和推荐的操作、储存及处置条件下性质稳定。没有氧化性、自反应性、挥发性。

Stability: Stable in nature under normal operating, storage, and disposal conditions. No oxidizing, self-reactive, or volatile properties.

危险反应：无资料

Hazardous reactions: None

应避免的条件：防止扬尘和粉尘积聚。

Conditions to avoid: Prevent flying dust and dust accumulation.

禁配物：无资料

Prohibited substances: None

危险的分解产物：碳氧化合物之有毒或有害之气体等。

Hazardous decomposition products: Toxic or harmful gases in carbon oxides.

## 十一、毒性资料 Toxicological information

**急性毒性 Acute toxicity:**

**吸入:** 用火燃烧产生气体会引起呼吸道之刺激与咳嗽。暴露在高浓度的气体时会导致反胃、刺痛、与口腔和喉咙干燥, 困倦、头痛、眩晕、失去知觉、呼吸麻痹与死亡, 另外也会窒息。

**Inhalation:** The gases produced by combustion can cause respiratory irritation and coughing. Exposure to high concentrations of gas can cause nausea, stinging, dryness in the mouth and throat, drowsiness, headache, dizziness, loss of consciousness, respiratory paralysis, and death. Additionally, it can also cause suffocation.

**食入:** 不大可能食入, 但会造成口腔与喉咙的创伤。

**Ingestion:** It is unlikely to be ingested, but it can cause wound to the mouth and throat.

**皮肤:** 会引起瘙痒。

**Skin:** It might cause pruritus.

**眼睛:** 燃烧产生的气体会引起刺激。

**Eye:** The gases produced by combustion can cause irritation.

**局部效应:** 没有有效数据。

**Local effects:** None

**致敏感性:** 没有有效数据。

**Susceptibility:** None

**慢毒性或长期毒性 Slow toxicity or long-term toxicity:**

**食入:** 没有有效数据。

**Ingestion:** None

**吸入:** 没有有效数据。

**Inhalation:** None

**皮肤:** 没有有效数据。

**Skin:** None

**眼睛:** 没有有效数据。

**Eye:** None

## 十二、生态资料 Ecologiccal information

为防止被海洋生物及鸟类取食, 严禁将该产品丢弃海洋或水域。

It is strictly prohibited to discard the product into ocean or water areas in order to prevent feeding by marine organisms and birds.

## 十三、废弃物处理及处置 Disposal considerations

**废弃化学品:** 必须依照当地和国家的法律法规进行处置。严禁将该产品倾倒入土壤、下水道、排水沟或任何水体中。建议采用配备加力燃烧室和洗涤装置后的化学焚烧炉进行焚烧处置。

Waste chemicals: Disposal must be carried out in accordance with local and national laws and regulations, It is strictly prohibited to pour this product into soil, drains, water courses or any water sources. It is recommended using a chemical incinerator equipped with an afterburner and washing device for incineration disposal.

污染包装物: 残留有本品的所有容器或包装物也必须依照地方和国家的相关法律法规进行处置。处置作业人员的个体防护措施参见“第八部分”的内容。

Contamination packaging: All containers or packaging materials containing this product must be disposed of in accordance with relevant local and national laws and regulations. Refer to the content of "Section 8" for individual protective measures.

废弃注意事项: 如果委托专业废弃物处置机构进行处理, 则需签订合同, 并使其明确废弃物内容。如产品或其生产、使用等过程中产生的废弃物经判定属于危险废物的, 需按照国家相关废弃物处置规定进行合理处置。

Disposal precautions: If a professional waste disposal agency is commissioned to handle the waste, a contract must be signed and the content of the waste must be clearly defined. If the waste be generated during the production, use, or other processes is determined to be hazardous waste, it must be disposed of reasonably in accordance with relevant national waste disposal regulations.

#### 十四、运送资料 Transport information

未分类 Not classified

#### 十五、适用法规 Regulatory information

标示危害警告讯息: 易燃物

Labeling hazard warning information: inflammable

使用法规 Regulatory information:

劳工安全卫生设备规则

Regulations on Labor Safety and Health Equipment

危险物与有害物能通识规则

General rules for identifying hazardous and harmful substances

道路交通安全规则

Road Traffic Safety Regulations

工业废弃物储存清除处理方法及措施标准

Standard for methods and measures for storage, removal, and disposal of industrial waste



## 十六、其它数据 Other information

**声明:** 本安全数据表提供的信息仅作为本产品安全处理、使用、加工、储存、运输、处置、释放指引,不应被视为保修或质量规范。上述信息仅与本文中指定的材料有关,并且不适用于与任何其他材料组合使用的此类材料或任何工艺,如果材料被更改或加工,除非文中另有说明。

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如需更多的信息,请与本公司进行联系。

For further information, please contact your Bright-E representative.

核准( Approval): Billy

审核( Examine): Sam

