

1 化学品及企业标识 Identification

产品名称：半芳香族高温尼龙 PPA
涵盖牌号：LS200、LS400、LS400-S、LS401、LS-401HF、LS600X、LS600X-D、LS600X-T、LK6212、LK6331
化学类别：半芳香族聚酰胺（PPA；共聚物）
推荐用途：工业聚合物原料，供注塑、挤出及改性加工；未经确认不用于植入、医疗或食品接触。

供应商：广东龙杰聚合物有限公司
地址：广东省东莞市田星路13号天集磁海产业园2号楼
服务热线：0755-24144822 / Hotline: +86 755-24144822
邮箱：sales@longjiepolymer.cn
官网：www.longjiepolymer.cn

Product: Semi-aromatic High-temperature Nylon PPA
Grades: LS200、LS400、LS400-S、LS401、LS-401HF、LS600X、LS600X-D、LS600X-T、LK6212、LK6331
Chemical family: Semi-aromatic polyamide (PPA; copolymer)
Use: industrial polymer for injection molding, extrusion and compounding; not for implant, medical or food-contact use without qualification.

Supplier: Guangdong Loongjay Polymer Co., Ltd.
Add: Bldg 2, Tianji Cihai Park, No.13 Tianxing Rd, Dongguan, Guangdong
服务热线：0755-24144822 / Hotline: +86 755-24144822
Email: sales@longjiepolymer.cn
Web: www.longjiepolymer.cn

2 危险性概述 Hazard(s) Identification

按 GHS 及适用法规，本产品以颗粒（制品）形态供应时不被分类为危险化学品。

标签要素：信号词—无；象形图—无；危险性说明—无；防范说明—无（颗粒态）。

其他危害：研磨/切割产生的粉尘吸入可能刺激呼吸道；熔融或过热产生的烟气可能刺激皮肤、眼和呼吸道；散落颗粒有滑倒风险。

Not classified as a hazardous chemical when supplied as pellets (articles) under GHS and applicable regulations.

Labelling: signal word—none; pictograms—none; hazard statements—none; precautionary statements—none (pellet form).

Other hazards: dust from grinding/cutting may irritate the respiratory tract; fumes from melting/overheating may irritate skin, eyes and respiratory tract; spilled pellets create a slip hazard.

3 成分/组成信息 Composition / Information on Ingredients

本产品为热塑性聚酰胺高分子聚合物，可能含少量加工助剂、热稳定剂或色粉；依现有资料不含需申报的高关注物质。所有单体均已键合入聚合物。

Thermoplastic polyamide high-molecular polymer; may contain small amounts of processing aids, heat stabilizers or pigments; no declarable SVHC based on available data. All monomers are bound into the polymer.

组分 Component	CAS	含量 Content
聚酰胺树脂 Polyamide resin	混合物 Mixtures	主要成分（≥约99%） Main (≥~99%)
助剂/稳定剂 Additives/stabilizers	混合物 Mixtures	<1%

共聚聚酰胺混合物，无单一适用 CAS（单体已键合入聚合物）

Copolyamide mixtures, no single applicable CAS (monomers are bound into the polymer)

4 急救措施 First-aid Measures

吸入：将患者移至空气新鲜处，保持安静；如持续不适，立即就医。

皮肤：常温颗粒接触无危险，接触后清洗即可。若皮肤接触熔融物料，立即用大量冷水冷却，勿强行剥离粘附的聚合物，按烧烫伤处理并就医。

眼：粉尘入眼，立即用大量清水冲洗至少 15 分钟，翻开上下眼睑；如刺激持续，就医。

食入：一般无特殊危害；如误食大量或感不适，就医。

对医生的提示：对症与支持治疗。

Inhalation: Move person to fresh air and keep at rest; seek medical attention if discomfort persists.

Skin: Pellet contact at ambient temperature is harmless; wash after contact. If skin contacts hot melt, cool immediately with plenty of cold water, do not peel the adhered polymer, treat as a thermal burn and seek medical attention.

Eyes: If dust enters eyes, rinse immediately with plenty of water for at least 15 minutes, lifting eyelids; seek medical help if irritation persists.

Ingestion: Generally no special hazard; seek medical attention if a large amount is swallowed or discomfort occurs.

Notes to physician: symptomatic and supportive treatment.

5 消防措施 Fire-fighting Measures

适用灭火剂：水（雾状）、抗醇/普通泡沫、干粉、二氧化碳。

Suitable extinguishing media: water (fog/spray), alcohol-resistant/normal foam, dry chemical, carbon dioxide.

避免高压直流水直冲，以免物料扩散。

Avoid high-pressure straight water jets that may spread the material.

特定危害：可燃，多数情况下离火可自熄；燃烧可生成一氧化碳、二氧化碳、氮氧化物及烟尘。

Specific hazards: combustible and in most cases self-extinguishing when removed from the ignition source; combustion may produce carbon monoxide, carbon dioxide, nitrogen oxides and smoke.

消防人员应在上风向灭火，佩戴正压自给式呼吸器（SCBA）及全套防护服。

Firefighters should attack from upwind, wearing positive-pressure self-contained breathing apparatus (SCBA) and full protective clothing.

6 泄漏应急处理 Accidental Release Measures

人员防护：避免扬尘，佩戴安全眼镜与手套，保持通风，注意防滑。

Personal precautions: avoid raising dust, wear safety glasses and gloves, keep ventilated, and prevent slips.

环境保护：防止进入下水道、地表水与土壤。

Environmental precautions: prevent entry into drains, surface water and soil.

清理方法：清扫或真空回收至有标签容器中以便回用或处置；随后清洁可能湿滑的地面。

Methods for cleaning: sweep or vacuum into labelled containers for reuse or disposal; then clean any slippery surface.

7 操作处置与储存 Handling and Storage

操作处置：作业区保持充分通风/局部排风，控制粉尘浓度；避免过热产生烟气，熔融加工遵守推荐温度；搬运防止包装破损。

Handling: ensure adequate ventilation/local exhaust and control dust; avoid overheating and fumes, follow recommended processing temperatures; prevent package damage during handling.

储存：于干燥、阴凉、通风处密封存放，防潮、防污染；远离强氧化剂与火源。

Storage: keep sealed in a dry, cool, ventilated place, protected from moisture and contamination; away from strong oxidizers and ignition sources.

包装：铝箔防潮袋/纸袋（通常 25 kg）。

Packaging: moisture-barrier foil bags / paper sacks (commonly 25 kg).

8 接触控制和个体防护 Exposure Controls / PPE

工程控制：高温加工区及切割/研磨区设置通风与局部排风，将粉尘与烟气浓度控制在接触限值以下。

Engineering controls: provide ventilation and local exhaust at hot-processing and cutting/grinding areas to keep dust and fume below exposure limits.

职业接触限值：无聚合物专用限值；聚合物粉尘可参照“其他粉尘”总尘 PC-TWA（中国 GBZ 2.1，通常 8 mg/m³）。

Occupational exposure limits: no polymer-specific limit; polymer dust may refer to “other dusts” total dust PC-TWA (China GBZ 2.1, commonly 8 mg/m³).

呼吸系统：通风良好时无需防护；粉尘大或通风不良时佩戴防尘口罩。

Respiratory: none needed with good ventilation; wear a dust mask where dust is high or ventilation poor.

手部：处理高温物料时佩戴隔热手套。

Hands: wear heat-insulating gloves when handling hot material.

眼部：佩戴安全防护眼镜。

Eyes: wear safety glasses.

皮肤与身体：穿长袖工作服；处理高温熔体时加戴防护面罩及棉质长袖衣裤。

Skin/body: wear long-sleeve work clothing; for hot melt add a protective face shield and long cotton sleeves/trousers.

9 理化特性 Physical and Chemical Properties

外观 Appearance	本色颗粒 Natural pellets
气味 Odor	无 None
熔点 Melting point	约 260–325 °C
密度 Density	约 1.12–1.19 g/cm ³
吸水率(23°C水中24h) Water absorption	约 0.3 %
水中溶解性 Solubility in water	不溶 Insoluble
闪点 Flash point	不适用（固体） N/A (solid)

自燃温度 Auto-ignition	>约 400 °C (无精确数据) >~400 °C (no precise data)
分解温度(应避免) Decomposition	避免 >约 400 °C Avoid >~400 °C
建议加工温度 Processing	约 280–330 °C
挥发性 Volatiles	极低 Very low
pH	不适用 N/A

10 稳定性和反应性 Stability and Reactivity

稳定性：在常温及常规储存条件下稳定。

Stability: stable under normal temperature and storage conditions.

应避免的条件：超过分解温度的异常高温与长时间停留、粉尘云、明火。

Conditions to avoid: abnormal high temperature / long residence beyond decomposition, dust clouds, open flame.

禁配物：强氧化剂。

Incompatible materials: strong oxidizers.

危险反应：正常使用条件下无。

Hazardous reactions: none under normal use.

危险分解产物：过热或燃烧时产生一氧化碳、二氧化碳、氮氧化物及微量醛类/烃类烟气。

Hazardous decomposition products: CO, CO₂, nitrogen oxides and trace aldehyde/hydrocarbon fumes on overheating or combustion.

11 毒理学信息 Toxicological Information

颗粒态在正常使用中未见对人体的不良影响，材料本身不被认为有毒。

No adverse human effects are observed for pellets under normal use; the material itself is not considered toxic.

粉尘可能对眼和呼吸道造成机械性刺激。

Dust may cause mechanical irritation to eyes and respiratory tract.

动物暴露于含一氧化碳的燃烧/热解产物时出现一氧化碳中毒症状；现有资料未见致癌性、生殖/发育毒性或致突变性证据。

Animals exposed to combustion/pyrolysis products containing CO showed carbon-monoxide-poisoning symptoms; available data show no evidence of carcinogenicity, reproductive/developmental toxicity or mutagenicity.

12 生态学信息 Ecological Information

因不溶于水，预计其生态/生理毒性较低，无明显生物累积；应防止物料散入水体与土壤。

As it is insoluble in water, ecological/physiological toxicity is expected to be low with no significant bioaccumulation; prevent release into water and soil.

13 废弃处置 Disposal Considerations

废弃处置：优先回收/再利用；否则按当地法规进行焚烧（能量回收）或填埋。物料的处理、储存、运输及尾气均须符合当地环保法规。

Disposal: prefer recycling/reuse; otherwise incinerate (energy recovery) or landfill in accordance with local regulations. Handling, storage, transport and exhaust must comply with local environmental laws.

14 运输信息 Transport Information

按适用运输法规（UN/IMDG/IATA-DGR/ADR 及中国相关规定），聚酰胺颗粒不属于危险货物。UN 编号一无；正式运输名称一非受限制货物；类别一无；包装类别一无。

Polyamide pellets are not dangerous goods under applicable transport regulations (UN/IMDG/IATA-DGR/ADR and relevant China rules). UN No.—none; proper shipping name—not restricted; class—none; packing group—none.

运输中保持包装完整、干燥，防潮、防暴晒。

Keep packages intact and dry during transport, protected from moisture and direct sunlight.

15 法规信息 Regulatory Information

中国：未列入《危险化学品目录》，按聚合物制品/一般工业固体废物管理；符合 GHS 分类与标签要求。

China: not listed in the Catalogue of Hazardous Chemicals; managed as polymer articles / general industrial solid waste; complies with GHS classification and labelling.

本产品未作食品接触/医疗用途专门认证，此类用途使用前须自行确认合规性。

This product is not specifically certified for food-contact/medical use; compliance must be confirmed before such use.

16 其他信息 Other Information

编制部门：技术开发部；版本 V1.0；发布日期 2026-09-28。

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Disclaimer: This SDS applies only to the stated product and not to mixtures with other products; the information is based on current knowledge and may be revised; users are responsible for ensuring fitness for use and compliance with applicable regulations.

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