

Product Name:
FILAMEON PLA Filament

Product code: PLA **Revision Number:** 1 **Revision Date:** 30.05.2020 **Print Date:** 30.05.2020



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: FILAMEON PLA Filament
Product Code: PLA
Product Use: A mono filament which can be used for 3D printing which uses Fused Deposition Modeling (FDM) method

Supplier: Riiz Makine Arge Proje Danışmanlık ve İnşaat Sanayi ve Ticaret Limited Şirketi
Erciyes Teknopark, Yıldırım Beyazıt Mah. Aşık Veysel Bulvarı No:67-B
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Emergency Number +90 536 064 82 99 (24 hours a day)

2. HAZARDS IDENTIFICATION

Classification: Not dangerous according to Directive 67/548/EEC
Hazard Statements: None
Precautionary Statements: None
Signal word: None
Symbols/Pictograms: None
Other Hazards: Danger of burns in contact with hot polymer.
Hazardous vapors in case of burning.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	EC Number	Content
Poly lactide Resin	9051-89-2	618-575-7	>%98

4. FIRST AID MEASURES

Skin Contact: If the molten polymer comes into contact with the skin, it should be washed with cold water without wasting time.

After Inhalation: After inhalation of decomposition gasses or dust remove patient from the environment to fresh air.

On ingestion: Clean mouth with water and drink water after. If it comes with any discomfort, contact a doctor.

On eyes contact: Clean open eyes with plenty of water.

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5. FIRE-FIGHTING MEASURES

Fire extinguishing media:	Foam, Water, Carbon dioxide (CO ₂), Dry chemical, Alcohol resistant foams are preferred if available. General-purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively.
Special exposure hazards:	As in any fire, wear self-contained breathing apparatus pressure-demand.
Special protective equipment:	Self-contained breathing apparatus.
Remark:	Accumulations of dust can be inflammable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use suitable protective clothing. Avoid eye contact and inhalation of dusts. Keep ignition sources away.
Methods for cleaning up:	Sweep up material and place in a container, risk of slipping. Avoid ingress of material into drainage systems.

7. HANDLING AND STORAGE

Handling:	Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge.
Storage:	Protect from moisture. store in a cool place and leave the package closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Technical safety measures:	With suitable ventilation the threshold limits assumably will not be reached. Avoid electrostatic charge by use of grounding cables.
Personal safety equipment:	Safety glasses with side-shields. Preventive skin protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Spool
Appearance:	Clear, translucent, opaque.
Color:	Various
Odor:	Sweet
pH:	No information available
Vapor pressure:	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Density:	1.25 g/cm ³
Decomposition temperature:	250°C
Boiling point / boiling range:	Not applicable
Melting point / melting range:	150-180C (302- 356F),
Tg (Glass Transition Temp.):	55-60C (131-140F)
Autoignition temperature:	388 °C
Freezing point °C:	Not determined
Flash point:	Not determined

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Flammability:	Fine dust dispersed in air may ignite
Flammability Limits in Air:	No information available
Water solubility:	Insoluble
Solubility in other solvents:	Not determined
Solubility:	Not determined

10. STABILITY AND REACTIVITY

Stability:	For recommended storage conditions, it is stable.
Conditions to be avoided:	Do not expose to excessive heat and all sources of ignition. Thermal decomposition >250°C
Substances to be avoided:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Local irritation:	Dust can cause eye, respiratory organs and skin irritation. Nausea and stomach treatment are possible if swallowed.
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12. ECOLOGICAL INFORMATION

Ecotoxic effect:	No data
Biological degradation:	Biodegradable
Bioaccumulation:	It does not remove water accumulation with its consistency and insolubility in water.

13. DISPOSAL CONSIDERATIONS

Product:	Legislation that deals with waste disposal conditions may vary by country, state or region. As a user, please refer to the laws in your area. In some, some wastes are monitored. Generation of waste should be minimized, check possibility for recycling. Waste product can be incinerated or dumped together with domestic waste in compliance with local authority requirements.
Uncleaned packaging:	The packaging material must be completely removed and obtained in accordance with the law.

14. TRANSPORT INFORMATION

Transport regulations:	Not classified as hazardous under transport regulations ADR, ADNR, RID, ICAO/IATA, IMDG/GGVSee, ICAO/IATA
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15. REGULATORY INFORMATION

EU regulations:	This product does not require a hazard warning label in accordance with EC Directives.
Water exposure class (Germany):	'nwg', no risk of water pollution (classification acc. Att. 1 of VwVwS)

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16. OTHER INFORMATION

This information is based on our current experience. This safety data sheet describes the security requirements of our products. It cannot be applied as a guarantee of the given product features. It is the user's responsibility to comply with the current legal regulations in the use of the product.