



## Safety Data Sheet PLA filament

according to EU Directive 1907/2006

### Product and Company information:

Product name: PLA filament  
Company name: filalab, UAB  
ID number: 304045825  
Adress: Kauno g. 32, Vilnius, Lithuania  
Number:  
Email:

### Hazard identification:

Classification: No need for classification according to GHS criteria for this product (according to Regulation (EC) No. 1272/2008 [CPL]).  
Label elements: According to Regulation (EC) No. 1272/2008 (CLP) this product does not require a hazard warning label in accordance with GHS criteria.

### Composition / information on ingredients:

Chemical characteristics: Biodegradable batch based on PLA, contains copolyester and additives.  
Additional information: no harmful ingredients

### First-aid measures:

On skin contact: In case of contact with molten polymer immediately cool the skin with cold water. Medical aid may be required to remove adhering material and for treatment of burns.  
After inhalation: After inhalation of decomposition gases or dust remove patient to fresh air. Contact a doctor in case of discomfort.  
On ingestion: No effects known. Rinse mouth with water and drink more water. Contact a doctor in case of discomfort.  
On eyes contact: In case Of material dust get in to the eye, rinse open eyes thoroughly with water.

### Fire-fighting measures:

Suitable fire extinguishing media: Water, dry chemical extinguisher, foam, carbon dioxide.

Special exposure hazards: During incomplete combustion release of carbon monoxide, tetrahydrofurane, acetic acid and decomposition products possible.

Special protective equipment: Self-contained breathing apparatus.

Remark: Accumulations of dust can be inflammable.

### 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.

### Handling and storage:

Handling: Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge.

Storage: Protect against moisture and UV radiation. Store cool and keep packaging closed when not in use. Avoid sources of ignition.

### Exposure controls / 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: Use adequate safety equipment, e.g. protective clothing, eye protection glasses, heat protection gloves. In case of dust formation wear mask with particle filter.

Work hygiene: Avoid contact of hot material with the skin. Avoid breathing dust and vapours.

### Physical and chemical properties:

Form: Round filament.  
Oudour: None or slightly oudour  
Density: 1,25 g/cm<sup>3</sup>  
Melting range: > 155 °C  
Solubility in water: insoluble  
Oxidising properties: not self igniting

### Stabillity and reactivity:

Stabillity: The product is stable at recommended storage contidions.  
Conditions to be avoided: Avoid exposure to extreme heat and all sources of ignition. Thermal decomposition > 240 °C.  
Substances to be avoided: Strong oxidizing agents.  
Hazardous decomposition products: Carbon monoxide, carbon dioxide, aldehydes, acetic acid, tetrahydrofurane, low molecular weight oligomers.

### Toxicological information:

Local irritation: Dust can cause irritation of eyes, respiratory organs and skin. After ingestion stomach pain or nausea are possible.  
Other remarks: Based on our state of knowledge and experience no injurious health effects are expected if product is properly handled for the designated use.



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### Ecological information:

Ecotoxicological effects: No negative ecological effects known at the present state of knowledge, test results are not available. Due to insolubility in water most probably not hazardous to aquatic organisms.

Biological degradation: Product is biodegradable.

Bioaccumulation: Due to its consistency and insolubility in water biological accumulation is not expected.

### Disposal considerations:

Product: Generation of waste should be minimised, check possibility for recycling. Waste product can be incinerated or dumped together with domestic waste in compliance with local authority requirements.

### Transport information:

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

### Regulatory information:

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