

**Product Name:**

FILAMEON PP Filament

**Product code:**

PP

**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 PP Filament  
**Product Code:** PP  
**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:63D  
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**Emergency Number** +90 536 064 82 99 (24 hours a day)

**2. HAZARDS IDENTIFICATION****2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE**

Material is not classified as hazardous when used under recommended conditions.

**2.2 LABEL ELEMENTS**

GHS-US labelling Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : May form combustible dust concentrations in air

**2.3 OTHER HAZARDS**

Special danger of slipping by leaking/spilling product. Electrostatic charges may be generated during handling. This product may form combustible dust concentrations in air.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient Name	CAS Number	EC Number	Content
Polypropylene (PP)	-	-	-

**4. FIRST AID MEASURES**

We are not expected hazards under normal conditions and correct usage.

**Eye contact:** Dust, fines and process vapours may irritate the eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if discomfort persists.

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Skin contact:	If molten material contacts the skin it may cause thermal burns, immediately flush with large amounts of cold water to cool the affected skin and polymer. Do not attempt to peel the polymer from skin. Obtain immediately emergency medical attention if burn is deep or extensive.
Inhalation:	Dust and process vapours may irritate the nose, throat and respiratory tract. If symptoms are experienced, move victim to fresh air. Obtain medical attention if breathing difficulty persists.
Ingestion:	Adverse health effects due to ingestion are not anticipated. Do not induce vomiting. If symptoms develop, obtain medical attention.

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**5. FIRE-FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA**

As appropriate for surrounding fire. Extinguish preferably with foam, carbon Dioxide, water/water mist or dry chemical.

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**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Polymer dust particles in the atmosphere are combustible and may be explosive. CO, olefinic and paraffinic compound, trace amount of organic acids, ketones, aldehydes and alcohols may be formed during combustion.

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**6. ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS**

Avoid generating dust. Potential dust explosion hazard. Use only non-sparking tools. Material creates dangerous slipping hazard on hard surfaces. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation wear suitable respiratory equipment.

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**6.2 ENVIRONMENTAL PRECAUTIONS**

Avoid release to environment. Do not allow to enter drains, sewers or watercourses

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**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Take up mechanically and collect in suitable container for disposal.

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**7. HANDLING AND STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING**

No special requirements necessary, if handled at room temperature. Avoid spilling the product, as this might cause falls. Will accumulate static charges that may cause an electric spark (ignition source). Take precautionary measures against static discharges. Do not eat, drink or smoke at the work place. After handling, wash face and hands before eating, drinking or smoking.

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**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

This product may react with strong oxidising agents & should not be stored near such materials. Store the bags in areas protected with automatic sprinklers. Storage temperature should be ambient. (preferably below 50°C). Open flames prohibited. Store the product in bags, car silos, container, or large cartons to avoid contamination.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****8.1 TECHNICAL SAFETY MEASURES:**

Use in a well-ventilated area. If handling results in dust generation, special ventilation may be needed to minimize dust exposure. If heated material generates vapour or fumes, use process enclosures, local exhaust ventilation, or other engineering controls to control exposure.

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**8.2 PERSONAL SAFETY EQUIPMENT:**

Safety glasses with side-shields. Preventive skin protection.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: Solid

Appearance: Plastic wire

Odor: Specific when melted

Vapor pressure: Not determined

Vapor density: Not determined

Evaporation rate: Not determined

Density (solid): 0,90 g/cm<sup>3</sup>

Decomposition temperature: 150°C

Boiling point / Boiling range: Not applicable

Water solubility: Insoluble

Incompatibility with

Various Substances: Incompatible or reactive with fluorine gas, oxidizing agents (nitric acid and perchloric acid), free halogens, benzene, petroleum ether, gasoline and lubricating oils, and aromatic and chlorinated hydrocarbons.

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**10. STABILITY AND REACTIVITY**

Reactivity:	None expected under conditions of normal use.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid	Overheating
Incompatible materials	No additional information available
Hazardous decomposition products:	Decomposition products depend on temperature, exposure to air, and the presence of other substances. Processing may release irritating fumes, olefinic and paraffinic compounds, carbon monoxide, and carbon dioxide. Potential thermal decomposition products include trace aldehydes (including formaldehyde), alcohols, organic acids, and hydrocarbons.

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**11. TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECT**

No adverse effects for human health are expected under conditions of correct usage. Material have no toxicological effect in solid state, but vapours of styrene released from melt are toxic.

Acute toxicity:	Not to be expected
Irritation:	Not classified
Sensitization:	Not available

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Repeated dose toxicity:	Not available
Carcinogenic effect:	Not classified
Mutagenicity:	Not classified
Reproductive toxicity:	No toxicity to reproduction.

**12. ECOLOGICAL INFORMATION**

Eco toxicity:	Wildlife may ingest plastic pellets or bags. Although not toxic, such materials may physically block the digestive system, causing starvation or death. This product is not likely to move rapidly with surface or groundwater flows because of its low water solubility and lower density than water.
Persistence and degradability:	Not available.
Bio accumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effect:	No known effects or critical hazards

**13. DISPOSAL CONSIDERATIONS****Product:**

- Recycle (Reprocess)
- Do not allow to enter drains, sewers or watercourses.
- Disposal through landfilled or controlled incineration or authorised waste dump in accordance with Local, State or National Regulations.
- Waste generators must determine whether a discarded chemical is classified as a hazardous waste.

**Uncleaned packaging:**

- Disposal must be done according to local/official regulations. Refer to manufacturer/supplier for information on recovery/recycling.

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**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**

National regulations, other regulations, limitations and prohibitive regulations

EC Classification : Not classified as dangerous for supply/use.

Hazard Symbol : Not applicable.

Risk Phrases : Not applicable.

Safety Phrases : Not applicable.

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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.