

Product Name:

FILAMEON ABS HighFlow Filament

Product code:

ABS HighFlow

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 ABS HighFlow Filament
Product Code: ABS HighFlow
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
Effect of overexposure
• Eye Contact Solid or dust may cause irritation or corneal injury due to mechanical action
• Skin Contact Essentially nonirritating to skin, Mechanical injury only
• Skin Absorption Unlikely due to physical properties
• Ingestion Unlikely due to physical state
• Inhalation Dust may cause irritation to respiratory In case of breathing, fumes released from heated material may cause respiratory irritation
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	Content
ABS(Acrylonitrile-Butadiene-Styrene)	9003-56-9	95-100%
Typical Stabilizer		0 - 3%
Typical lubricants		0 - 3%

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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:	In case of breathing, fumes released from heated material may cause respiratory irritation. In case of inhaling dense smoke, immediately remove a person to fresh air. If necessary, apply artificial respiration and seek medical attention immediately.
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 and seek for medical advice.

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. Irritating gases and dense smoke.
Special protective equipment:	Self-contained breathing apparatus.
Remark:	Accumulations of dust can be inflammable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Pellets or beads may present a slipping hazard.
Methods for cleaning up:	Sweep up material and place in a container, risk of slipping. Avoid ingress of material into drainage systems.
Environmental Precautions	Keep out of irrigation ditches, sewers, and water supplies. Spills should be collected to prevent contamination of waterways.

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

Engineering Controls	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Personal Protective Equipment	
• Eye / Face Protection	Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles.
• Skin Protection	No precautions other than clean body-covering clothing should be needed.
• Respiratory Protection	For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient

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Exposure Guideline (s) ventilation, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator
Although some of the additives used in this product may have exposure guidelines, these additives are encapsulated in the product and no exposure would be expected under normal handling conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Spool
Appearance: Clear, translucent, opaque.
Color: Various
Odor: Almost Odorless
pH: Neutral
Vapor pressure: Not determined
Vapor density: Not determined
Evaporation rate: Not determined
Density: 1.04 g/cm³
Boiling point / boiling range: Not applicable
Melting point / melting range: 210-240°C
Freezing point °C: Not determined
Flash point: Not determined
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.
Substances to be avoided: Strong oxidizing agents.
Hazardous decomposition products: Not applicable

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

Ecotoxial 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

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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

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)

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.