

Safety Data Sheet



Section 1 - Identification of the substance/preparation and of the company/undertaking

Product identifier

Product name : Flexible filament

Details of the supplier of the safety data sheet

Premier Farnell plc
150 Armley Road, Leeds, LS12 2QQ
+44 (0) 8701 202530

Emergency telephone number

+44 1865 407333

Section 2 - Hazards Identification

	Min	Max
Flammability	1 	0=Minimum
Toxicity	0	1=Low
Body Contact	2 	2=Moderate
Reactivit	1 	3=High
Chronic	2 	4=Extreme

GHS classification : Not Applicable

Label elements:

GHS label elements : Not Applicable

SIGNAL WORD : Not Applicable

Section 3 –Composition/Information on Ingredients

Ingredient Name	CAS No.	Content (%)
C6H1004	124-04-09	50%
C4H7NO	110-78-1	30%
C4H1002	19132-06-0	20%

Section 4 - First Aid Measures

INGESTION

- If harmful effects are observed, the exposed person is moved to fresh air.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE

If this product comes in contact with eyes:

- If molten hot material splashes into the eyes, rinse immediately with water for 15 minutes, keeping eyelids open. Then Call the poison control center or doctor immediately. Any material in contact with eyes should be washed with water immediately. As Easy to operate, contact lenses should be removed.

SKIN

If skin or hair contact occurs:

- For contact with molten products, do not remove contaminated clothing. Rinse skin immediately with plenty of cold water.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands



If possible, immerse contaminated parts in cold water. Wrap it in ice. Don't try to peel and aggregate from the skin Things.
See a doctor immediately. Rinse with soap and water. If skin irritation occurs, seek medical advice.

Inhalation

- Treat according to symptoms.

Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

Section 5 - Firefighting Measures

EXTINGUISHING MEDIA

- water.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use water delivered as a fine spray to control fire and cool adjacent area.

FIRE/EXPLOSION HAZARD

- Combustible solid that burns and spreads flame easily.

FIRE INCOMPATIBILITY

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.as ignition may result

Section 6 –Accidental Release Measures

MINOR SPILLS

- Generally not applicable

MAJOR SPILLS

- Generally not applicable

Personal Protective Equipment advice is contained in Section 8 of the SDS.

Section 7 - Handling and Storage

PROCEDURE FOR HANDLING

- Use in a well-ventilated area.
- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.

SUITABLE CONTAINER

- Check all containers are clearly labelled and free from leaks.
- Packing as recommended by manufacturer.

STORAGE INCOMPATIBILITY

- Avoid contamination of water, foodstuffs, feed or seed.
- Avoid reaction with oxidising agents .

Section 8 - Exposure Controls, Personal Protection

CONTROL PARAMETERS

Occupational exposure limit standard

- There is no specified exposure limit for all components

CONTACT CONTROL

Appropriate engineering control methods for contact control

- Ventilation shall be provided during heat treatment operation to control gas and smoke generated during heat treatment. Under general conditions of use There is no special requirement when there is enough ventilation.

Personal protective measures such as personal protective equipment

General information

- Use the required personal protective equipment.

Eye / face protection

- Safety glasses with side shields are recommended if contact is likely.

Skin protection

Hand protection:

- To avoid scalding due to contact with melting products, heat insulation gloves should be worn. It can be recommended by the glove supplier. The gloves respiratory system protection
- In normal use, respirators are not usually required. If it is likely to be exposed to dust particles For mist or steam, appropriate respiratory protection should be used. Cutting operations may cause the product to produce particles. If inhalation of particles cannot be avoided, wear a dust mask. Consult an industrial hygiene expert to determine if this is appropriate Payer protective equipment for special use of materials. When workplace conditions require the use of respirators, Respiratory protection programs that comply with all relevant regulations must be followed.

Health measures

- Maintain good personal hygiene practices, such as washing hands after handling materials and before eating and / or smoking. Regular clearing Wash work clothes to remove contaminants. Discard contaminated footwear that cannot be cleaned up.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Odour	Odorlessness
Form	Solid
Melting Range	160-170°C
Boiling Range (°C)	Not applicable
Flash Point (°C)	Not applicable
Decomposition Temp (°C)	240
Autoignition Temp (°C)	No data
Upper Explosive Limit (%)	Not applicable
Lower Explosive Limit (%)	Not applicable
Volatile Component (%vol)	No data
Solubility in water (g/L)	Insoluble in water
p H (1% solution)	Not applicable
p H (as supplied)	Not applicable
Print Temp (°C)	195-245
Bed Temp(°C)	No heat / (40-60)
Density(g/cm ³)	1.0~1.1

Safety Data Sheet



Distortion Temp(°C, 0.45MPa)	No data
Melt Flow Index (g/10min)	8.16 (190°C, 5kg)
Tensile Strength (MPa)	42
Elongation at Break (%)	≥800%
Bending Strength (MPa)	Not applicable
Flexural Modulus (MPa)	Not applicable
IZOD Impact Strength (KJ/m ²)	No data

Section 10 - Stability and Reactivity

Reactivity

See section 7

Chemical stability

- Product is considered stable.
- Hazardous polymerisation will not occur.

Section 11 - Toxicological Information

Information on toxicological affects

Acute Toxicity

LD/LC50 values relevant for classification

No data.

Primary irritant effect

On the skin

No data.

On the eyes

No data.

Inhaled

No data.

Sensitization

No data.

Section 12 - Ecological Information

Ingredient	Persistence:Water/Soil	Persistence: Air	Bioaccumulation	Mobility
L-Lactide	LOW	LOW	LOW	LOW
DL-Lactide	LOW	LOW	LOW	LOW
Poly (DL- lactide)	No Data available	No Data available	No Data available	No Data available
Poly lactide resin	No Data available	No Data available	No Data available	No Data available

Section 13 - Disposal Considerations

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands



Safety Data Sheet



- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

Section 14 - Transport Information

Labels Required

Marine Pollutant: NO

Not Regulated For Transport Of Dangerous Goods: ADR, IATA, IMDG,ADN

Section 15 - Regulatory Information

REGULATIONS

The product needs to follow local regulations

Section 16 - Other Information

NA

Part Number
MC011460

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

