

1. PRODUCT IDENTIFICATION

1.1 PRODUCT IDENTIFIER

TRADE NAME Extrudr FLEX hard

Extrudr FLEX medium Extrudr FLEX semisoft

1.2 MANUFACTURER

ADRESS FD3D GmbH/Extrudr

Höchsterstraße 81 A-6972 Fußach

EMAIL info@extrudr.eu

1.3 USE OF PRODUCT

Industrial thermoplast, suitable for 3D printing filament

2. 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 pro-

duct does not require a hazard warning label in accordance

with GHS criteria.

SPECIAL ADVICE ON HAZARDS Danger of burns in contact with hot polymer. Hazardous

vapours in case of burning.

3. COMPOSITION

CHEMICAL CHARACTERISTICS This product does not contain any substance which can

be dangerous for the health or the environment, with exposure limits in the working place. It does not contain any persistent, bioaccumulative or toxic substance nor very

persistent or very bioaccumulative.

ADDITIONAL INFORMATION No harmful ingredients



MATERIAL SAFETY DATA SHEET extrudr FLEX

4. FIRST-AID MEASURES

ON SKIN CONTACT Wash off with water and soap. If molten polymer contacts

the skin, cool the skin rapidly with water. Get medical

attention if necessary.

AFTER INHALATION If during its application or in case of fire processing

vapours or decomposition products are inhaled, remove person to fresh air. If irritation develops or persists, obtain

medical attention.

ON INGESTION No adverse effects anticipated.

ON EYES CONTACT Rinse eyes with plenty of water, mechanical effects only.

5. FIRE-FIGHTING MEASURES

SUITABLE FIRE EXTINGUISHING MEDIA Small Fire: Use dry chemical, CO2, water spray or regular

foam.

Large fire: Use water spray, water fog or regular foam. Do

not use straight streams.

COMBUSTION PRODUCTS Under fire conditions, polymer decomposes generating

smoke and unidentified toxic and irritating compounds.

FIRE FIGHTING INSTRUCTIONS Fire fighters should wear positive pressure self-contained

breathing apparatus and should be equipped with protective clothing. Keep people away and isolate fire area.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS In case of spillage, material on the floor may cause slipping

and falls.

ENVIRONMENTAL PRECAUTIONS Prevent product from going into sewers or any water flow.

In case of spill sweep up material and place in containers

for re-use or disposal.

7. HANDLING AND STORAGE

Avoid processing material above recommended thermal processing temperatures. Good general ventilation should be sufficient for most conditions. Consider the use of local exhaust ventilation at processing emission points. Avoid breathing thermal processing fumes and vapours. Mechanical handling equipment can cause formation of dust. Avoid breathing dust. Use proper grounding techniques when handling this product to avoid electrostatic charges. Pellets on the floor may be slippery and cause falls.



8. PERSONAL PROTECTION

RESPIRATORY PROTECTION For most conditions, no respiratory protection should be

> needed. When processing at elevated temperatures without sufficient ventilation, use an approved air-purifying

respirator.

EYE PROTECTION Use safety glasses if there is a potential risk for exposure

to particles. Use safety glasses if vapour exposure causes

eye discomfort.

SKIN PROTECTION Wear gloves for handling hot material during processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM Filament

COL OR colored

MELTING RANGE 195-220°C

OXIDISING PROPERTIES not self igniting / flammable

> DENSTTY 1.15-1.20 g/cm3

10. STABILITY AND REACTIVITY

STABILITY The product is stable at room temperature.

CONDITIONS TO BE AVOIDED Temperature above 240 °C.

SUBSTANCES TO BE AVOIDED Volatiles from melt processing are expected to be water

vapour, carbon dioxide and other decomposition products.

HAZARDOUS DECOMPOSITION PRODUCTS Thermal breakdown products may include a complex

mixture of compounds, including but not limited to CO, CO2, hydrogen cyanide, oxides of nitrogen, hydrocarbons,

isocyanates, water vapour smoke.

11. TOXICOLOGICAL INFORMATION

INHALATION At room temperature, exposure to dust and vapours is unlikely. High processing temperatures may generate

vapours which may cause irritation and sensitisation.

INGESTION No adverse effects anticipated

EYES CONTACT The product in solid or dust form may cause irritation due

to mechanical action. Elevated temperatures may genera-

te vapours sufficient to cause eye irritation.

SKIN CONTACT Essentially non-irritating to skin at room temperature. At

high temperature vapours may cause sensitisation.

No toxicity studies have been conducted.



12. ECOLOGICAL INFORMATION

Not expected adverse effects from this product as furnished. No ecotoxicological information is available. Material is expected to have low aquatic toxicity because of its insolubility in water.

13. DISPOSAL CONSIDERATIONS

The unused product is not considered a hazardous waste. Do not dump into any sewers, on the ground or into any body of water. Any disposal practice must be in compliance with all local laws and regulations.

14. TRANSPORT INFORMATION

TRANSPORT REGULATIONS Not classified as hazardous under transport regulations

ADR, ADNR, RID, ICAO/IATA, IMDG/GGVSee.

15. REGULATORY INFORMATION

EUREGULATIONS This product does not need to be labelled according to EC

regulations.

EU H PHRASES not applicable.

EUP PHARSES not applicable.

EINECS STATUS All starting raw materials of this product are listed on

EINECS.

TSCA STATUS All ingredients are on the TSCA inventory.

16. OTHER INFORMATION

Disclaimer of responsibility

The information provided in this document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification.

