



# MATERIAL SAFETY DATA SHEET

## extrudr PETG

### 1. PRODUCT IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

TRADE NAME    Extrudr PETG

#### 1.2 MANUFACTURER

ADDRESS    FD3D GmbH/Extrudr  
Höchsterstraße 81  
A-6972 Fußach

EMAIL       info@extrudr.eu

#### 1.3 USE OF PRODUCT

PETG Copolyester, 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) his product 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

The polymer contains minor additives such as stabilizers and catalysts. These additives are immobilized by the polymer and are not released with normal use.

## 4. FIRST-AID MEASURES

ON SKIN CONTACT	Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from the skin. Obtain medical attention..
AFTER INHALATION	Move exposed person to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician after significant exposure.
ON INGESTION	Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur and show the TDS.
ON EYES CONTACT	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if symptoms occur.

## 5. FIRE-FIGHTING MEASURES

SUITABLE FIRE EXTINGUISHING MEDIA	Water, dry chemical extinguisher, foam, carbon dioxide.
SPECIAL EXPOSURE HAZARDS	Carbon monoxide, carbon dioxide, acetaldehyde.
SPECIAL PROTECTIVE EQUIPMENT	Wear self-contained breathing apparatus, protective clothing and headgear to prevent contact with skin and eyes.

## 6. 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.

## 7. 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.

## 8. 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	No eating or drinking during working. Avoid contact of hot material with the skin. Avoid breathing dust and vapours.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Filament
COLOR	colored
MELTING RANGE	180-210°C
OXIDISING PROPERTIES	not self igniting / flammable
DENSITY	1.30 g/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

STABILITY	The product is stable at recommended storage conditions.
CONDITION TO BE AVOIDED	Avoid exposure to extreme heat and all sources of ignition. Thermal decomposition > 250 °C.
SUBSTANCES TO BE AVOIDED	Acetic Anhydride, acetone, aniline, benzene, chloroform, chromic acid, cyclohexanone, dimethylformamide, dioxane, ethyl acetate, phenol, tetrahydrofuran. Reactive with strong oxidizing agents, as well as strong acids and caustic will decompose polyester.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, acetaldehyde.

## 11. TOXICOLOGICAL INFORMATION

LOCAL IRRITATION	No known significant effects or critical hazards.
OTHER REMARKS	No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

ECOTOXICAL EFFECTS	not available
BIOLOGICAL DEGRADATION	not available
BIOACCUMULATION	No known significant effects or critical hazards.

## 13. 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.

## 14. TRANSPORT INFORMATION

**TRANSPORT REGULATIONS** Not classified as hazardous under transport regulations ADR, ADNR, RID, ICAO/IATA, IMDG/GGVSee.

## 15. REGULATORY INFORMATION

**EU REGULATIONS** Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

## 16. OTHER INFORMATION

This data is based on the current state of our information and experience. This safety data sheet describes our product in terms of safety requirements. Preceding data is not applicable as a warranty of product properties. It is the responsibility of the recipient to observe the existing legal regulations for the use of this product.