

Material Safety Data Sheet

1/4

DYNEX PEEK

2014.05.23 (Rev.0)

Product Name: DYNEX PEEK
Chemical Name: PEEK (POLYETHERETHERKETONE)
CAS NO: 29658-26-2 (POLYMER)
Product Use: Engineering Plastic Stock Shape for Machining
Company Identification: DYNEX Co.,Ltd. 339, Namdongseo-ro, Namdong-Gu, Incheon-City, Korea
(TEL:82-32-677-2971, FAX:82-32-677-2974)

Hazards Identification

Eye

Polymer particles can cause mechanical irritation.

Skin

Hot and molten material has the potential to cause thermal burns.

Inhalation

Shapes not respirable.

Ingestion

No specific information available on the product.

Composition, information on Ingredients

Additives not hazardous by 29 CFR 1910.1200.

Identity	CAS#	Concentration(%)
Not Applicable	Not Applicable	Not Applicable

First Aid Measures

Eye

- Immediately flush eyes with plenty of water.
- Seek medical attention if discomfort persists.Skin
- If hot and molten PEEK contact skin, cool rapidly with cold water.
- If PEEK is stuck to skin, do not remove. And allow adhered PEEK to come off naturally.
- Seek medical attention if burn occurs.

Inhalation

- PEEK is not likely to be inhaled due to physical form.

Ingestion

- If a significant quantity has been swallowed, give plenty of water to dilute. Seek medical attention.

General Information

- This product is essentially inert and nontoxic.
-

Fire Fighting Measures

Autoignition Temperature

595° (1103°F)

Fire Extinguishing Media

Carbon dioxide, powder, dry chemical, foam or water spray.

Unusual Fire, Explosion Hazards

None Known.

Hazardous Product of Combustion

Carbon monoxide and carbon dioxide.

Firefighting Instructions

Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear (bunker gear). Water, foam and dry chemical may cause damage to electrical equipment.

Accidental Release Measures

Personal precaution

Sweeping to prevent fell.

Environmental protection

No special measures.

Handling and Storage

Handling

Evacuate residue to prevent slipping hazard.

Storage

Store in well-ventilated area away from heat and sunlight. Dry storage.

Exposure Controls, Personal Protection

Engineering Controls

A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended.

Protective Equipment

Eyes: Wear safety glasses with side shields should be sufficient for most processing and machining runs.

Skin: When thermal or melt processing, wear long pants, long sleeves and well insulated glove

Respiratory: Under normal conditions no special respiratory protection is required, however one recommends with work under increased temperatures without sufficient exhaust, use an approved air-purifying respirator.

Physical and Chemical Properties

Appearance:	Solid/Stock shape may be rod or plate.
Colour:	Natural (Yellow-Brown), Black
Smell:	None
PH:	Not applicable
Water Solubility:	Insoluble
Melting Point:	343°C (649°F)
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Ignition Temperature:	575°C (1067°F)
Specific Gravity:	1.27 ~ 1.37g/cm ³

Stability and Reactivity

Chemical Stability

Stable under normal conditions of use and storage.

Condition to Avoid

Heating above 460°C (860°F).

Hazardous Reactions

Stable under normal conditions.

Materials to Avoid

Concentrated sulfuric acid and oxidizing agents.

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide and toxic gases.

Toxicological Information

No specific information available on the product.

Ecological Information

Ecotoxicity

No specific information available on the product.

Environmental Information

This material is considered to be non-biodegradable.

Aquatic Toxicity

Toxicity is expected to be low based on insolubility of polymer in water.

Disposal Considerations

Recycling is encouraged. Dispose in accordance with local regulations.

Transport Information

This product is not subject to transport regulations.

Regulatory Information

Labelling in accordance to EEC directive

There is no need to mark this product according EU-regulations

Section 313 Supplier Notification

This product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

Other Information

This product is not intended for use in medical applications involving permanent implantation in the human body. The information contained herein is based on the present state of our knowledge. We don't suggest or guarantee that any hazards listed herein are the only ones that exist. DYNEX Co., Ltd. makes no warranty of any kind concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and this material may aggravate the effects of other materials. Users have the sole responsibility to determine the suitability of the materials of any use and the manner of use contemplated. Users must meet all applicable safety and health standards.