

Material Safety Data Sheet
PEEK Products of ZL Engineering Plastics, Inc.



1. Product and Company

ZL Products:

ZL® 1500 PEEK

Manufacture:

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2. Composition/Information on Ingredients

Stock shapes manufactured of extruded Polyetheretherketone, possibly stabilizing agents, fillers, additives.

CAS – number: Not required.

3. Possible Hazards

None.

4. First Aid Measures

Inhalation: Remove patient to fresh air. Obtain medical attention if ill effects occur.

Ingestion: Rinse mouth with water. Give a glass of water to drink.

Further medical treatment: Symptomatic treatment and supportive therapy as indicated.

5. Fire Fighting Measures

Suitable Extinguishing Agents: Water spray, foam, dry powder, or CO₂.

Toxic and harmful substances can be liberated in a fire according to the

Chapter "Hazardous decomposition of products". The product melts in a fire.

Protection for Fire-Fighters: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. Measures in case of Accidental Release

Not applicable.

7. Handling and Storage

Avoid dust formation. Keep inert under normal storage conditions.

8. Exposure Limits

Personal protective equipment: Suitable respirators should be worn in case of insufficient ventilation or when required by the operational conditions.

9. Physical and Chemical Properties

Appearance Form: Solid as semi-finished (plate, rod, tube)
Color: Brown grey
Odor: odorless
Change in Physical State
Melting point: 340°C
Flashpoint 575°C
Ignition temperature: 595°C
Density: 1.3 g/cm³

10. Stability and Reactivity

Thermal Decay: Degrades at temperatures above 460°C
Dangerous by-products of decay: CO, CO₂

11. Toxicological Information

The material can be considered essentially non-toxic.

12. Ecological Information

The material is UV-sensitive and degrades slowly in the ecosystem. An accumulation of the material in the nutrition chain is not known. Negative reactions have not become known so far.


13. Disposal Information

Disposal should be in accordance with local, state or national legislation.

14. Transport Information

Not classified as hazardous under transport regulation.

15. Rules

 **WARNING:** This product can expose you to chemicals including **Carbon Black** (CAS 1333-86-4), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

16. Special Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.