



Material Safety Data Sheet

PEEK Products of ZL engineering plastics, inc.

1. Product and Company

ZL Products: ZL™ 1500 PEEK
ZL™ 1500 – Bearing Grade PEEK

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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

None.

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.

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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 according to transportation regulations.

15. Rules

The product is not subject to classification pursuant to EU Directives/Hazardous Substance regulation.
Water endangering class: WGK 0, self-classification.

16. Special Information

The above information is based on our current knowledge and experience. It does not include a warranty of properties in legal terms. No liability is accepted for facts that are beyond our knowledge and control. It is the responsibility of each user to examine the planned field of application.

**For further information on our ZL™ 1500 PEEK Products,
please contact ZL at 1-866-957-5278.**