

**GENESIS**
MEDICAL PLASTICS**SDS**
Safety Data Sheet**I. Identification**

Product Name: Genesis PEEK
Manufacturer: Genesis Medical Plastics
Contact Information:
Phone: 281-255-6848
Address: 14863 Grant Road, Cypress, TX 77429

II. Hazard Identification**Acute Effects:**

Skin: No irritation likely. Thermal burns can result from contact with molten polymer.
Eyes: Contact with power may cause irritation.
Inhalation: No toxic effects known to be associated with inhalation of dust.
Ingestion: The acute oral LD50 is above 15g/kg. Relatively, a single dose is relatively harmless.

Long Term Effects: None known.

III. Composition

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>%</u>
Polyetheretherketone (PEEK)	29658-26-2	100
Or		
Polyetheretherketone (PEEK)	31694-16-3	100

IV. First-Aid Measures

Skin:	If molten polymer contacts skin, cool rapidly with cold water. Do not attempt to peel molten polymer from skin. Obtain medical attention for thermal burns.
Eyes:	In case of eye contact, immediately flush eyes with water for at least 15 minutes. Obtain medical attention if symptoms persist.
Inhalation:	If exposed to fumes from heated polymer, move to fresh air immediately. Obtain medical attention if symptoms persist.

V. Fire Fighting Measures

Autoignition Temperature: 595C (1103F)

Condition of Flammability: Requires continuous flame source for ignition.

Extinguishing Media: Water fog, foam, carbon dioxide, dry chemical

Special Instructions: Fire fighters should wear full protective clothing including self-contained breathing apparatus. Equipment should be thoroughly decontaminated afterwards.

VI. Accidental Release Measures

Spill or Release: Clean up by vacuuming or sweeping material up.

VII. Handling and Storage

Handling: Open powder containers only in well-ventilated areas. No special considerations for shaped material.

Storage: Keep containers closed to prevent contamination.

VIII. Exposure Controls/Person Protection

Ventilation: Local exhaust as processing equipment to keep particulate levels below 15 mg/m³, the OSHA limit for nuisance dusts.

Protective Equipment:

Skin: Protective gloves are required when handling hot polymer. Long clothes are required when handling molten polymer.

Eye: Safety glasses are recommended to prevent particulates from entering eyes when working with polymer.

Respirator: None under normal conditions.

Exposure Limits:

PEL (OSHA): Particulates 15mg/m³ total dust
5 mg/m³ respirable dust

IX. Physical and Chemical Properties

Appearance: Stock shape maybe be rods of different sizes. Tan in color.
Odor: Virtually odorless.
Percent Volatiles: Negligible.
Melting Point: 339C (642F)
Solubility in Water: None.
Specific Gravity: 1.30

X. Stability and Reactivity

Stability: Stable at normal conditions.
Conditions to Avoid: None known.
Materials to Avoid: Concentrated sulfuric acid.

XI. Toxicological Information

Chronic Toxicity: Harmless.
Medical Conditions Prone to Aggravation by Exposure:
None known.