

1. Product and company identification

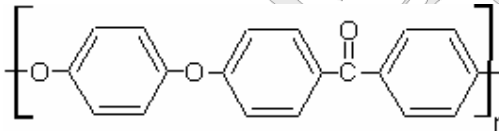
Commercial product name: KETRON® PEEK LSG natural / black

Company (manufacturer): Quadrant EPP Belgium NV
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2. Composition and information on ingredients

Chemical characterisation (eventually with synonyms): Polyetheretherketone + additives (black colour only)

Chemical structure: PEEK



CAS Nr. ('Chemical Abstract Service Registry Number'): PEEK: 29658-26-2 / Carbon black: 1333-86-4

3. Hazards identification

Most important hazards: No critical hazards for man and environment in case of normal storage, handling and usage.

Specific hazards: Not applicable

4. First-aid measures

Inhalation: In case the plastic burns and combustion gases are inhaled, immediately leave the room and get medical help.

Skin contact: In case molten material comes in contact with the skin, the skin needs to be rinsed thoroughly with cold water. Do not try to remove the molten material. Get medical assistance for the removal of the tacky material and care of the burn.

5. Fire-fighting measures

Suitable extinguishing media: Water, foam, dry chemical, CO₂. Adapt to the nature and extent of fire.

Extinguishing media which must not be used for safety reasons: no data available.

Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases: see section 10.

Special protective equipment for fire-fighters:

Firemen should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and/or eyes. If exposed to combustion fumes in a high concentration, bring the victim into fresh air. If molten material contacts skin, cool rapidly with cold water and obtain medical attention for removal of adhering material and treatment of the burn.

6. Accidental release measures

Personal precautions:	Not applicable
Environmental precautions:	See sections 12 & 13
Methods for cleaning up:	See section 13

7. Handling and storage

Handling:	
Technical measures:	Not applicable
Precautions:	Not applicable
Safe handling advice:	During machining of the stock shapes, evacuate swarf to prevent slipping or tripping hazard and observe the max. allowable concentration of dust levels on the workplace which apply in your country.
Storage:	
Technical measures:	Not applicable
Safe storage conditions:	Inert under normal storage conditions.
Incompatible products:	Not applicable
Safe packaging materials:	Not applicable

8. Exposure controls / personal protection

Engineering measures to minimize worker exposure:	None
Personal protection:	
Respiratory protection:	None (except when the product burns – cfr. sections 4 & 10).
Hand protection:	Gloves in case of frequent contact with warm material.
Eye protection:	Safety goggles during machining.
Industrial hygiene:	Follow good standard industrial practice. No special precautions.

9. Physical and chemical properties

Appearance:	Form: stock shapes (plate and rod) Colour: natural (brownish grey) / black	<u>ACCORDING TO</u>
Odour:	No special odour	
Change in physical state:	Boiling point/boiling range: not applicable Melting point/melting range: 340°C	
Flash point:	Not applicable	
Vapour pressure:	Not applicable	
Self ignition temperature:	595°C	ASTM D 1929
pH:	Not applicable	
Density (at 23°C):	1.31 g/cm³	ISO 1183
Solubility in water:	Negligible	
Thermal decomposition:	> 300°C	

10. Stability and reactivity

Stability: In normal circumstances, the plastic and its swarf are stable.

Conditions to avoid: Temperatures above the melting point/melting range (see section 9).

Hazardous decomposition products: The main products formed in case of overheating and combustion are carbon monoxide and carbon dioxide. Formation of further hazardous decomposition products depends upon the fire conditions and can not be excluded.

11. Toxicological information

Acute toxicity: This product is not considered as being harmful to human health if handled as recommended.

Local effects: Not applicable

12. Ecological information

This material does not harm the environment but is not biologically degradable.

13. Disposal consideration

Residual waste: When recycling is impossible, incineration or landfill. Disposal methods must conform to local or other government regulations. This product does not contain cadmium pigments or cadmium stabilizers.

Contaminated packaging: Not applicable

14. Transport information

International regulations: Not applicable

15. Regulatory information

Classification and labeling: Hazard warning labelling in accordance with relevant EC-regulations is not required.

16. Other information

Carefully read the product information brochures before using Quadrant EPP materials.

Quadrant's Life Science Grades (LSG) should not be used for applications involving medical devices that are intended to remain implanted in the human body continuously for a period exceeding 24 hours/30 days*, or are intended to remain in contact with internal human tissue or bodily fluids for more than 24 hours/30 days*, or as critical components of medical devices that are essential to the continuation of human life.

*: the period of 30 days only applies to KETRON® PEEK-CLASSIX™ LSG white.

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