

# Product Handling Information Bulletin [PHIB]

## Murpec® SP black

1. Manufacturer	
MURTFELDT GmbH & Co. KG Heßlingsweg 14-16 44309 Dortmund Germany	+49 231 20609-0 info@murtfeldt.de www.murtfeldt.com
2. Product description	
Name	Murpec® SP black
Product	Technical semi-finished products and parts made from them
Chemical characterization / main components	PEEK (polyether ether ketone), PTFE, contains carbon fibers, processing aids if necessary, Graphite
Classification REACH	Product
3. Product properties	
Material colours	black
Shape	Solid
Smell	Product specific
Melting temperature	340 °C
Thermal decomposition	> 400 °C
Auto-ignition temperature	> 575 °C
Density	1.45 g/cm <sup>3</sup>
4. Handling and storage	
Handling	No specific regulations need to be observed; processing can be carried out using commercially available machines. It is important to take into account the local workplace-related dust limit value. Efficient ventilation of the work area must be ensured. Before processing, the product should be at room temperature or have been stored for at least 24 hours under normal climatic conditions. During mechanical processing, care must be taken to avoid temperatures above the melting temperature.
Storage	Horizontal, protected from UV radiation and other sources of degradation (chemicals, radiation, moisture). It is advisable to store semi-finished products and finished parts for long-term storage under constant conditions (standard climate of +73.4°F and 50% relative humidity).
5. Firefighting instructions	
Suitable extinguishing agents	Water, water spray, foam, extinguishing powder, carbon dioxide (CO <sub>2</sub> )
Harmful decomposition products	In case of overheating and combustion, mainly carbon monoxide, carbon dioxide, fluorinated hydrocarbons and hydrofluoric acid are formed. The formation of additional fission and oxidation products depends on the fire conditions. Traces of other toxic substances cannot be excluded under certain conditions.
Special protective equipment	Firefighters should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and/or eyes. In case of skin burns caused by molten material, cool with cold water and then seek clinical treatment.
6. Disposal instructions	
	Can be recycled or disposed of with household waste in accordance with local regulations.
7. Transportation	
	Not dangerous goods within the meaning of the transportation regulations. Secure against slipping.
8. Information on REACH	
	According to EC Directive 1907/2006 (REACH), our products are characterized as articles in Article 3 (No. 3). "Article: means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition". There is no registration requirement.
9. Other information	
	This information exclusively describes the safety requirements of the product(s) and is based on our current state of knowledge. It does not constitute a guarantee of the product(s) described within the meaning of the statutory warranty regulations.