

Product Handling Information Sheet

GEHR PPSU®

1. Manufacturer

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2. Product Description

Article	Engineering semi-finished product
Abbreviation	PPSU
Material characterization	Thermoplastics
Main components	Polyphenylensulfone contains event. pigments, stabilizers and additives
Marking obligation components	None
Classification according to REACH	Product

3. Product Properties

Form / Condition	Rods, Sheets / Solid
Colour	natural, black, other colours on request
Odour	odourless
Density	1,29 g/cm ³
Melting temperature	- °C
Thermal decomposition	> 450 °C
Ignition temperature	> 550 °C
Solubility in water	insoluble

Risks no special risks for humans or animals

Possible decomposition products -

4. Handling and Storage

Machining The product can be machined with standard machinery and tools. Before machining the product should be stored at room temperature 24 h. Evacuate swarf to prevent slipping or tripping. Observe the maximum allowable concentration of dust levels on the working area which apply in your country. Wear safety goggles during machining. General dust limit value: Respirable dust (6 mg/m³); Inhalable dust (10 mg/m³)

Storage The products shall be stored indoor to keep away from any source of degradation such as sunlight, UV-jets, ionizing radiation, chemicals, ...

Safety measures The general industrial safety measures should be considered. A thermal damage during machining should be avoided.

5. Fire-fighting Measures

Suitable extinguishing agents Water, foam, dry chemical, carbon dioxide (CO₂)

Potential combustion Carbon dioxide (CO₂), carbon monoxide (CO), Formation of further decomposition and oxidation products depend upon the fire conditions. Under special fire conditions traces of other toxic substances are possible.

Special protective equipment Wear a self-contained breathing equipment. If exposed to combustion fumes bring the victim into fresh air.

Further information Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Disposal Considerations

European waste catalogue According to the "European Waste Catalogue and Hazardous Waste List" uncontaminated waste from the products is not classified as hazardous.
Following code numbers can be used:

070213	waste plastic from manufacture, formulation, supply and use of plastics,
120105	plastic shavings and turnings
160119	plastic, from end-of-life vehicles from different means of transport and wastes from dismantling of end-of-life vehicles and vehicle maintenance
170203	plastic construction and demolition wastes
200139	plastics from municipal wastes

Waste disposal

If recycling is not possible, waste disposal by landfill or incineration in compliance with state and local regulations. The product do not contain pigments or stabilizers based on cadmium. The product is not biologically degradable, but based on the present state of knowledge no negative effects on the environment may be anticipated.

7. Marking and Guidelines

Marking in accordance
EEC guidelines

Not subject to labelling.

Other guidelines

None

Transport regulations

Not classified as hazardous good under transport regulations.

8. Other Information

According EG directive 1907/2006/EG (REACH), our products are clearly defined as articles, exempt from registration. The European regulation (EV) about chemicals, which came into force June 1st, 2007, prescribes Material Safety Data Sheets (MSDS) only for dangerous substances and preparations. According REACH we are manufacturing articles and we are not required to issue MSDS.

All above mentioned information are based according to today's state of knowledge and supply no warranty of quality. Existing laws and regulations must be observed by the recipient of our products on his own authority.