

Product Handling Information Sheet

GEHR PMMA®

1. Manufacturer

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2. Product Description

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

3. Product Properties

Form / Condition	Rods, Profiles, Tubes / Solid
Colour	transparent, other colours possible
Odour	odourless
Density	1,15 – 1,2 g/cm ³
Melting temperature	ca. 130 °C
Thermal decomposition	≥ 300 °C
Ignition temperature	≥ 390 °C
Solubility in water	insoluble

Risks no special risks for humans or animals

Possible decomposition products acids, alkalines, strong oxidizing solvents

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.

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 spraying jet, 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.

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
57129 other cured waste plastics (Austria)

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.