

Product Handling Information Sheet

EP GM 203

1. Company

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2. Product Description

Product/Article	Technical semi-finished product (sheet / rod)
Standard designation	EP GM 203 acc. to EN 60893 (glass-mat hard laminate, epoxy resin)
Characterisation	Thermoset laminate made of glass-fibre mats impregnated with epoxy resin and pressed under heat/pressure
Main constituents	- Epoxy resin - Glass-fibre mat (reinforcement)
Constituents subject to labelling	none
Classification under REACH	Article
Notes	Not declared as a food-contact material.

3. Product Properties

Form/State	solid (thermoset)
Colour	yellow-brown
Odour	odourless to faintly characteristic
Density	2.0 g/cm ³
Limit temperature (continuous use)	180 °C
Ignition temperature	approx. 400-500 °C (typical for epoxy-resin laminates)
Thermal decomposition	> approx. 300 °C
Flammability	high mechanical strength even at elevated temperature, designed for high-temperature applications
Notes	Absorbs only minor amounts of moisture; slight changes in electrical values possible as a result.

4. Hazard Information

Special hazards to humans and the environment	none (in cured state)
Notes	Dust generated during machining (glass fibre/resin dust) should not be inhaled – mechanical irritation from glass fibres possible. Overheating or burning can produce harmful decomposition products (including carbon monoxide, carbon dioxide, possibly traces of aromatic compounds from the curing agent system).

5. Handling and Storage

Handling	• The product can be machined with standard commercial machinery (sawing, milling, turning, drilling, punching). • Ensure dust extraction during machining (glass fibre dust). • Use sharp, carbide-tipped or diamond-coated tools; expect increased tool wear from the glass-fibre content. • As a thermoset, cannot be reshaped or welded.
Storage recommendation	• horizontal • dry • protected from direct UV/sunlight • protected from contamination
Protective measures	Extraction / respiratory protection if dust is generated; skin contact with glass-fibre dust can cause mechanical irritation – protective gloves recommended.
Shelf life	–
Notes	–

6. Transport

Transport	• Not classified as dangerous goods under transport regulations.
Packaging	–
Notes	–

7. Fire-Fighting Measures

Suitable extinguishing media	• Water • Foam • Dry extinguishing agent • CO₂
Possible combustion products	• Carbon monoxide • Carbon dioxide • Smoke • Possibly traces of aromatic compounds
Required protective equipment	• Firefighters and others exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.
Notes	Collect fire residues and dispose of in accordance with local regulations.

8. Disposal Information

Recyclability	Thermoset (glass-fibre reinforced); material recycling not possible, thermal recycling possible.
EU waste catalogue	The product is not classified as hazardous under the European Waste Catalogue (EAK).
Disposal	Disposal at suitable incineration plants in accordance with local regulations.
Waste code no.	• 07 02 13 - plastic waste
Notes	–

9. Labelling, Directives and Regulations

Labelling under EEC directives	not subject to labelling
Notes	–

10. REACH Information

Information	Under EC Directive 1907/2006/EC (REACH), Article 3, No. 3, our products are articles that are not subject to registration. The European Chemicals Regulation (EC) No. 1907/2006 (REACH), which entered into force on 1 June 2007, requires safety data sheets (SDS) only for hazardous substances and preparations. Our products are articles under REACH, so no SDS requirement applies.
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11. Other Information

Other information	The above information is based on our current state of knowledge and does not constitute a guarantee of properties. Applicable laws and regulations must be observed by the recipient of our product on their own responsibility.
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