

Product Handling Information Sheet

UP GM 205 (HM 2472 R)

1. Company

Name/Address

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2. Product Description

Product	Technical semi-finished product (sheet / rod / tube)
Standard designation	UP GM 205 acc. to EN 60893 / HM 2472 R acc. to DIN 7735 (glass-mat reinforced polyester resin hard laminate)
Characterisation	Thermoset laminate made of glass-fibre mats, impregnated with unsaturated polyester resin and pressed under heat/pressure
Main components	• Unsaturated polyester resin (UP) • Glass-fibre mat
Components requiring labelling	none
Classification under REACH	Article
Notes	Not declared as a food contact material.

3. Product Properties

Form/State	• solid (thermoset)
Colour	white
Odour	• odourless
Density	~1.80 g/cm ³
Limiting temperature (continuous use)	155 °C (thermal class F)
Ignition temperature	approx. 400–450 °C
Thermal decomposition	> approx. 300 °C (release of decomposition products, possibly traces of styrene)
Combustion behaviour	flame-retardant (UL 94 V-0)
Notes	–

4. Hazard Information

Particular hazards to humans and the environment	none (in cured state)
Notes	Glass-fibre/resin dust generated during machining should not be inhaled and may cause skin or respiratory irritation. Overheating or burning may release hazardous decomposition products.

5. Handling and Storage

Handling	• The product can be machined with standard commercial machinery (sawing, milling, drilling, turning). • Ensure dust extraction during machining (glass-fibre/resin dust). • Use sharp, carbide-tipped tools; increased tool wear due to glass-fibre reinforcement is possible. • As a thermoset, it cannot be reshaped or welded. • Avoid skin contact when dust is generated (mechanical skin irritation from glass fibres possible).
Storage recommendation	• horizontal • dry • protected from direct UV/sunlight exposure • protected from contamination
Protective measures	Extraction / respiratory protection in case of dust formation; gloves recommended
Shelf life	–
Notes	–

6. Transport

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

7. Fire-Fighting Information

Suitable extinguishing media	• Water • Foam • Dry extinguishing agent • CO₂
Possible combustion products	• Carbon monoxide • Carbon dioxide • Smoke • possibly traces of styrene
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 them in accordance with local regulations.

8. Disposal Information

Recyclability	Thermoset, glass-fibre reinforced; material recycling not possible, thermal recovery possible to a limited extent.
EU Waste Catalogue	The product is not classified as hazardous under the European Waste Catalogue (EWC).
Disposal	Dispose of in 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 requirements
Notes	-

10. REACH Information

Information	In accordance with EC Directive 1907/2006/EC (REACH), Article 3, No. 3, our products are articles that are not subject to registration. Our products are articles under REACH, therefore 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 warranty of properties. Existing laws and regulations must be observed by the recipient of our product on their own responsibility.
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