

Product Handling Information Sheet

EP GC 306

1. Company

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2. Product Description

Product/Article	Technical semi-finished product (sheet / rod / tube)
Standard designation	EP GC 306 acc. to EN 60893 (no reliably established DIN 7735 Hgw assignment)
Characterisation	Thermoset laminate (glass-fabric laminate), significantly increased tracking resistance (CTI $\geq$ 600)
Main constituents	- Epoxy resin (optimised for tracking resistance) - Glass fabric
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	manufacturer-dependent (standard colours available)
Odour	nearly odourless
Density	1.8-2.0 g/cm ³
Glass transition temperature	– (thermoset, no melting point)
Limit temperature (continuous use)	temperature index $\geq$ 155 (IEC 60216)
Thermal decomposition	from approx. 300 °C; ignition temperature approx. 450-500 °C
Flammability	not separately classified under UL 94 (to be verified per product)
Notes	EP GC 306: significantly increased tracking resistance (CTI $\geq$ 600) compared with standard grades of the epoxy/glass-fabric series (CTI 200-250).

4. Hazard Information

Special hazards to humans and the environment	none (in cured state)
Notes	Resin/glass-fibre dust generated during machining should not be inhaled; skin contact may cause irritation. Overheating or combustion can release harmful decomposition products.

5. Handling and Storage

Handling	- The product can be machined with standard commercial machinery (sawing, milling, drilling, turning). - Use sharp, carbide-tipped or diamond-coated tools; allow for increased tool wear caused by the glass fabric. - Ensure adequate dust extraction during machining (resin/glass-fibre dust). - As a thermoset, cannot be reshaped or welded.
Storage recommendation	- horizontal - dry - protected from moisture - protected from direct UV/sunlight
Protective measures	Respiratory protection/extraction if dust is generated; avoid skin contact
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/decomposition products of the epoxy resin
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; material recycling only possible to a limited extent, consider thermal recycling.
EU waste catalogue	The product is not classified as hazardous under the European Waste Catalogue (EAK).
Disposal	The material may be sent to a suitable incineration plant in accordance with local regulations.
Waste code no.	• 07 02 13 - plastic waste • 17 02 03 - plastics (construction)
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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