

## Product Handling Information Sheet

### Glastherm<sup>®</sup> HT 220

#### 1. Company

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#### 2. Product details

Product/Article	Technical semi-finished product or machined part
Abbreviated terms	-
Material Characterisation	Glass-fiber reinforced epoxy resin in hardened condition
Main Components	<ul style="list-style-type: none"> <li>• glass-fiber</li> <li>• epoxy resin</li> <li>• additives</li> <li>• filler</li> </ul>
Components Subject to labelling	-
Classification according to REACh	Article
Notes	-

#### 3. Product characteristics

Form/State	<ul style="list-style-type: none"> <li>• firm</li> </ul>
Color	-
Odour	<ul style="list-style-type: none"> <li>• typical material smell</li> </ul>
Density	-
Melting range	-
Glass transition temperature	-
Thermal decomposition	None, when used as intended



### 3. Product characteristics

Flash point	-
Ignition temperature	-
Notes	-

### 4. Danger warnings

Special Risks For Mankind And The Environment	None
Notes	According to the IARC, glass filaments cannot be classified as carcinogenic to humans. (IARC Group 3) The diameter of the continuous filament glass fibers used in this laminate is outside the respirable range of $< 3 \mu\text{m}$ , so the risk of chronic lung damage is minimal. The diameter of the continuous filament glass fibers used is 5–16 $\mu\text{m}$ (typically 12 $\mu\text{m}$ ). Processing these fibers does not reduce their diameter, meaning their potential respirability does not increase. Translated with DeepL.com (free version)

### 5. Handling and Storage

Handling	<ul style="list-style-type: none"> <li>• Product can be worked with conventional machines and tools.</li> <li>• For the machining special tools should be used such as tungsten carbides drill / PKD or diamond-equipped tools.</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• horizontally</li> <li>• dry</li> <li>• protected against climatic influences</li> <li>• protected against frost</li> </ul>
Safety measures	<ul style="list-style-type: none"> <li>• Provide effective dust extraction when processing and machining.</li> <li>• Carry protective mask with dusty condition.</li> </ul>
Shelf Life	-
Notes	-

### 6. Transport

Transport	<ul style="list-style-type: none"> <li>• Non dangerous goods according to the transport regulations.</li> <li>• Secure against slipping.</li> </ul>
Finished Product Packing	-
Notes	-



## 7. Fire – fighting measures

Suitable extinguishing agents	<ul style="list-style-type: none"> <li>• water</li> <li>• sand</li> <li>• foam</li> <li>• CO<sub>2</sub></li> </ul>
Potential combustion products	<ul style="list-style-type: none"> <li>• CO</li> <li>• CO<sub>2</sub></li> </ul>
Necessary protection equipment	<ul style="list-style-type: none"> <li>• Complete protection equipment for fire-brigade.</li> <li>• Use self-contained air respirators during strong smoke and steam development.</li> </ul>
Notes	-

## 8. Removal

Recyclability	Check possibility of recycling.
EC Waste Catalog	The product is classified in accordance with the European-Waste Catalogue (EWC) as “not dangerous”.
Waste Removal	Has to be conveyed to a suitable dumping site or combustion plant in accordance with local regulations.
EC Waste Code	<ul style="list-style-type: none"> <li>• 10 11 03 waste glass-based fibrous materials</li> </ul>
Notes	-

## 9. Marking and Guidelines

Marking in accordance with EEC Guideline	no labelling required
Notes	-

## 10. Information about REACH

Information about REACH	According to EC directive 1907/2006/EC (REACH), Article 3, no.3 our products are clearly defined as articles, exempt from registration. The EU regulation about chemicals no. 1907/2006 (REACH), which came into force 01 st of June 2007, prescribes Material Safety Data Sheets only for dangerous substances and preparations. According to REACH we are manufacturing articles and, therefore, not required to issue safety sheets.
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**11. Other Information**

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Other Information -

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