

## Product Handling Information Sheet

### Durostone® UPGMZ -FR

#### 1. Company

Name/Address	<b>Röchling Industrial SE &amp; Co. KG</b> Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0 info@roechling-plastics.com • www.roechling.com/industrial/haren
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#### 2. Product details

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

#### 3. Product characteristics

Form/State	<ul style="list-style-type: none"> <li>• firm</li> </ul>
Color	white
Odour	<ul style="list-style-type: none"> <li>• typical material smell</li> </ul>
Density	-
Melting range	-
Glass transition temperature	-



### 3. Product characteristics

Thermal decomposition	-
Flash point	None, with intended use
Ignition temperature	-
Notes	-

### 4. Danger warnings

Special Risks For Mankind And The Environment	none
Notes	According to IARC glass fibre filaments cannot be classified as carcinogenic with humans (IARC group 3). The diameter of the glass fibre filaments which are used in this laminated material is outside of the lung-usual range from 3 µm so that the danger of chronic lung damage is minimal. The diameter of the used glass fibre filaments amounts to 5 - 16 µm (typical 12 µm). Their diameter is not reduced by treatment of these fibres, i. e. its potential lung freedom of movement does not increase.

### 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 frost</li> <li>• protected against climatic influences</li> </ul>
Safety measures	<ul style="list-style-type: none"> <li>• Provide effective dust extraction when processing and machining.</li> <li>• Carry protective mask and protective goggles at 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	-



### 6. Transport

Notes -

### 7. Fire – fighting measures

Suitable extinguishing agents

- water
- sand
- foam
- CO<sub>2</sub>

Potential combustion products

- CO
- CO<sub>2</sub>
- other toxic gases

Necessary protection equipment

- Complete protection equipment for fire-brigade.

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

- 10 11 03 waste glass-based fibrous materials

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.[]

### 11. Other Information

#### Other Information

The information in this document are based on our today's knowledge and represent no affirmation of characteristics. Existing laws and regulations are to be observed by the user of our product within his own responsibility.

