

# Product Handling Information Sheet

## PEEK MG blue

### 1. Company

Name/Address

- Liedtke Kunststofftechnik
- Siemensstr. 32a, 42551 Velbert/Germany (DE) • Phone +49 2051 605 105
- [info@liedtke-kunststofftechnik.de](mailto:info@liedtke-kunststofftechnik.de) • [www.liedtke-kunststofftechnik.de](http://www.liedtke-kunststofftechnik.de)

### 2. Product Description

|                                   |                                                                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Item                      | Technical semi-finished product                                                                                                                                                                                        |
| Standard designation              | PEEK MG (PEEK, medical grade)                                                                                                                                                                                          |
| Characterisation                  | High-performance thermoplastic based on polyetheretherketone in medical grade (MG): high purity, sterilisation resistant, biocompatibility tested on the semi-finished product according to ISO 10993-5, coloured blue |
| Main components                   | <ul style="list-style-type: none"> <li>• Polyetheretherketone (PEEK), medical grade</li> <li>• Colour pigment (blue)</li> </ul>                                                                                        |
| Components requiring labelling    | none                                                                                                                                                                                                                   |
| Classification according to REACH | Article                                                                                                                                                                                                                |
| Notes                             | –                                                                                                                                                                                                                      |

### 3. Product Properties

|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Form/State                   | <ul style="list-style-type: none"> <li>• solid</li> </ul>     |
| Colour                       | blue (similar to RAL 5005)                                    |
| Odour                        | <ul style="list-style-type: none"> <li>• odourless</li> </ul> |
| Density                      | 1.39 g/cm <sup>3</sup>                                        |
| Melting range                | 341 °C                                                        |
| Glass transition temperature | –                                                             |
| Thermal decomposition        | >300 °C                                                       |
| Flash point                  | –                                                             |
| Ignition temperature         | >400 °C                                                       |
| Notes                        | –                                                             |

#### 4. Hazard Information

|                                               |      |
|-----------------------------------------------|------|
| Special hazards to humans and the environment | none |
| Notes                                         | -    |

#### 5. Handling and Storage

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling               | <ul style="list-style-type: none"> <li>The product can be machined with commercially available machines.</li> <li>Before machining, the product should be at room temperature, i.e. stored for at least 24h under standard atmospheric conditions prior to machining.</li> <li>Good cooling via chip removal remains important to avoid softening or smearing of the surface caused by heat build-up.</li> </ul> |
| Storage recommendation | <ul style="list-style-type: none"> <li>horizontal</li> <li>dry</li> <li>protected from weather influences</li> </ul>                                                                                                                                                                                                                                                                                             |
| Protective measures    | -                                                                                                                                                                                                                                                                                                                                                                                                                |
| Shelf life             | -                                                                                                                                                                                                                                                                                                                                                                                                                |
| Notes                  | -                                                                                                                                                                                                                                                                                                                                                                                                                |

#### 6. Transport

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| Transport | <ul style="list-style-type: none"> <li>Not classified as dangerous goods under transport regulations.</li> </ul> |
| Packaging | -                                                                                                                |
| Notes     | -                                                                                                                |

#### 7. Fire-Fighting Information

|                               |                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media  | <ul style="list-style-type: none"> <li>Water</li> <li>Foam</li> <li>Dry extinguishing agent</li> <li>CO2</li> </ul>                                                                   |
| Possible combustion products  | <ul style="list-style-type: none"> <li>Carbon monoxide</li> <li>Carbon dioxide</li> <li>Traces of phenols and aromatics</li> </ul>                                                    |
| Required protective equipment | <ul style="list-style-type: none"> <li>Firefighters and others exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.</li> </ul> |
| Notes                         | Cool molten product with water. Collect firefighting water and combustion residues and dispose of them in accordance with local regulatory requirements.                              |

## 8. Disposal Information

|                    |                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability      | Check possibility of recycling.                                                                                                    |
| EU Waste Catalogue | The product is not classified as hazardous according to the European Waste Catalogue (EWC).                                        |
| Disposal           | The material can be disposed of as household waste or sent to a suitable incineration plant, in compliance with local regulations. |
| Waste code no.     | <ul style="list-style-type: none"><li>• 12 01 05 - plastics shavings and turnings</li><li>• 07 02 13 - waste plastic</li></ul>     |
| Notes              | –                                                                                                                                  |

## 9. Labelling, Guidelines and Regulations

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Labelling according to EEC guidelines | not subject to labelling requirements |
| Notes                                 | –                                     |

## 10. Information on REACH

|             |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Information | According to 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. |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 11. Other Information

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