

# Product Handling Information Sheet

## PPS natural

### 1. Company

Name/Address

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### 2. Product Description

|                                   |                                                                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Item                      | Technical semi-finished product                                                                                                                                                                                                   |
| Standard designation              | PPS                                                                                                                                                                                                                               |
| Characterisation                  | Semi-crystalline high-performance thermoplastic based on polyphenylene sulphide, natural (unfilled); very high continuous service temperature, inherently flame retardant, high chemical resistance, very low moisture absorption |
| Main components                   | <ul style="list-style-type: none"><li>• Polyphenylene sulphide (PPS)</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                       | natural (beige-brown)                                       |
| Odour                        | <ul style="list-style-type: none"><li>• odourless</li></ul> |
| Density                      | 1.35 g/cm <sup>3</sup>                                      |
| Melting range                | 285 °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>Sulphur oxides</li> <li>Traces of hydrogen sulphide</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. |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|