

# Product Handling Information Sheet

## POM-C ESD90 natural

### 1. Company

Name/Address

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### 2. Product Description

|                                   |                                                                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Item                      | Technical semi-finished product                                                                                                                                                                                        |
| Standard designation              | POM-C ESD90 (POM-C, electrostatically dissipative)                                                                                                                                                                     |
| Characterisation                  | Semi-crystalline engineering thermoplastic based on polyoxymethylene copolymer with carbon-black-free antistatic additives (surface resistivity $10^9 - 10^{12} \Omega$ ); low moisture absorption, good machinability |
| Main components                   | <ul style="list-style-type: none"> <li>• Polyoxymethylene copolymer (POM-C)</li> <li>• Antistatic additives (carbon-black-free, ESD modification)</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                                                       |
| Odour                        | <ul style="list-style-type: none"> <li>• odourless</li> </ul> |
| Density                      | 1.34 g/cm <sup>3</sup>                                        |
| Melting range                | 165 °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>• Formaldehyde</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. |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|