

## PA 6

### 1. Company Information

Manufacturer: **Licharz GmbH**  
**Industriepark Nord**  
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### 2. Composition / Information about Components

Trade name: **PA 6**  
Product description: **Polyamid 6 based on  $\epsilon$ -Caprolactam, Additives, Pigments, Stabilizer and Fillers.**  
Norm-code: **PA 6 E**  
Character: **semi-crystalline thermoplastic**  
Main-Ingredients: **extruded  $\epsilon$ -Caprolactam (CAS-No. 25038-54-4)**  
Klassifikation gemäß REACh: **Article**  
Indication : **no**

### 3. Properties

Form: **solid, as semi-finished (plate, rod, rube) or finished parts**  
Colour: **nature (similar Ivory), dyed different colors**  
Smell: **odourless**  
Density: **1,14 g/cm<sup>3</sup>**  
Melting point / range: **217 - 221°C**  
Glass transition temperature: **60 – 70°C**  
Thermal decomposition: **starting at app. 350°C**  
Flash point: **app. 400 °C**  
Ignition point: **app. 450 °C**  
Indication : **no**

### 4. Possible dangers

possible dangers: **none known**



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### 5. Handling and Storage

Handling: **Minimize overheating during machining processes or install suitable vacuum or aeration equipment. Minimize inhalation of vapours**

Observe for mechanical processing:

**fine dust**

**MAK: 0,6 mg/m<sup>3</sup> (Germany)**

storage recommendation: **not, semi-finished products do not store finished parts for a long time outdoors unprotected. In direct sunlight or unilateral warming is a danger of lasting delay. For long-term storage of semi-finished and finished products, it is recommended to store this under constant conditions (standard climate + 23 ° C / 50% RH). eighth one product-specific packaging before acids, acid-forming products and oxidant schützen. Bei storage to receive a scratch and score-free surface and the use.**

**The relevant provisions of fire prevention and safety practice.**

Special information: **indefinite storage time**

### 6. Transport

Indication : **not throw or drop the Cold products. During transport to receive a scratch and score-free surface and the use of a product-oriented packaging eighth. Not subject to the transport regulations.**

### 7. Fire fighting measures

Suitable extinguishing agents : **Water (spray), foam, dry chemical, carbon dioxide**

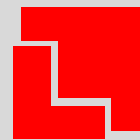
Potential combustion products : **Carbon monoxide, carbon dioxide, hydrogen cyanide in traces**

Protective equipment : **Use When fire-fighters self-contained breathing apparatus**

Indication: **After inhalation of vapours from burning or thermal degradation of the product, get fresh air and warmth. If necessary, call a doctor. In case of loss of consciousness, keep and transport in a stable position on the side.**

**Possible complaints: irritation of mucous membranes (nose, eyes), coughing, teary eyes**

**In case of breathing difficulty (strong, stained coughing): Keep the upper body in a half sitting position. Call a doctor. Burns from melted material must be clinically handled.**



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### 8. Disposal

Reusability : **recyclable**  
waste Catalogue : **Plastic chips / Plastic**  
waste key- Nr. : **12 01 05 / 20 01 39**  
Waste description: **other plastics**  
Information for disposal: **Sorted and clean material can be recycled or disposed of, according to local regulations, with household waste or in an incinerator.**

### 9. Directives, Regulations

Identification gem. EEC- Guidelines : **not prerequisite**  
Other guidelines : **suffused the requirements of:**  
**2011-65-EU RoHS (and 2015-863-EU (RoHS III)**  
**EU-1907-2006 (REACH)**  
**DIN-EN 15860**

### 10. Information about REACH

The products are classified in terms of the REACH regulation under Article 3 no. 3 as a product (formerly finished goods). A registration requirement on products, however (under certain conditions) only for substances in a product that will be released from this, but not the product itself.

Moreover - among other products - the polymers produced by us are exempted from registration duty (Article 2, paragraph 9 of the Regulation). Only necessary for the preparation of the polymers monomers and auxiliary agents optionally used and / or additives are (pre-) registration obligation taken.

### 11. Other Information

This information describes exclusively the safety requirements of the product / products and is based on the present state of the art. They do not warrant any of the described product / products in terms of the legal warranty regulations.

The safety data sheet not absolve the user from knowing and abiding by the valid industrial hygiene regulations and other laws, regulations and rules. You have to be observed by the receiver and / or users of our product must take responsibility.