



PA 12

1. Material- / Preparation- und Company Information

Trade Name	PA 12	
Manufacturer's information	Licharz GmbH Industriepark Nord D-53567 Buchholz	Tel.: ++49 / (0) 26 83 / 9 77 -0 Fax.: ++49 / (0) 26 83 / 9 77 -111 Mail: info@licharz.de

2. Composition / Information about components

Chemical description	Polyamide, stabilisers, additives, as requested pigment and fillers
CAS - Number	not required

3. Possible dangers

Possible dangers	none known
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4. First aid measures

General Information	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 their side. Possible complaints: irritation of mucous membranes (nose, eyes), coughing, teary eyes In case of breathing difficulty (strong, sustained 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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5. Fire fighting measures

Suitable extinguishing agents	Water spray, foam, dry extinguishing agents, carbon dioxide
Additional information	The product melts / ignites when in contact with flame and continues to burn outside of the ignition point. In the event of a fire, carbon dioxide, carbon monoxide and monomers could be released. The development of further fissile or oxidation by-products is dependant on the circumstances. There is a danger of an expansion of the fire due to spontaneous combustion of the vapo urs. Remnants of the fire and contaminated extinguishing agents should be discarded according to local rules.
Necessary protective gear	Use breathing protection with independent air circulation during fire fighting.

6. Measures in case of accidental release

Protective measures	not necessary
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7. Handling and Storage

Handling	Minimize overheating during machining processes or install suitable vacuum or aeration equipment. Minimize inhalation of vapors.
Storage	Protect from acids, alkali solutions or acid/alkali solution producing products and oxidizing agents. Follow the proper guidelines to protect from fire.
Special information	indefinite storage time

8. Exposure limits

Personal protective gear	not necessary
Workplace related limits:	When machining, take into account: fine dust MAK: 0,6 mg/m³ (Germany)

9. Physical and chemical properties**Appearance**

Form	solid, as semi-finished (plate, rod, tube) or finished part
Colour	nature, black
Smell	odourless

Changes of state

Melting point / range	170 - 180°C
Flash point	approx. 400 °C
Ignition point	approx. 450 °C
Density	1,04 g/cm³

10. Stability and Reactivity

Thermal decay	begins at approx. 350°C
Dangerous by-products of decay	carbon monoxide, carbon dioxide, traces of hydrogen cyanide possible, monomer components

11. Toxicological specifications

Toxic effects	During years of experience in the production and application of the product, no health related impairments have been observed.
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12. Information on ecological / ecotoxic effects

Effects on the environment **non-toxic, biologically not degradable and non-soluble solid without known detrimental effects on the environment**

13. Information for disposal

Waste code for unused material (per EU-waste catalogue) **20 01 06**

Waste description **other plastic**

Information for disposal **Sorted and clean material can be recycled or disposed of, according to local regulations, with household waste or in an incinerator.**

14. Information about transportation

Category of hazardous substance **not a hazardous substance according to transportation regulations**

15. Rules

Identification per. GefStoffV/EG **identification not required**

Water hazard class **per VwVwS not a water hazard (Code-Nr.: 766)**

16. Special Information

These details describe exclusively the safety requirements of the product(s) and are based on the current level of technology. They do not represent a guarantee of the described product(s) in the terms of the warranty laws. The information container herein does not absolve the user from knowing and following proper work related rules and special laws, directives and agreements. The recipient and/or user of our products takes responsibility for this.