

Product Handling Information Sheet

PA 6 GC MO natural

1. Company

Name/Address

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2. Product details

Product/Article	Engineering semi-finished product
Abbreviated terms	PA 6, special compound GC MO
Material Characterisation	Thermoplastic, sliding-modified with molybdenum disulfide (MoS ₂)
Main Components	• polyamide 6 (GC special compound) • molybdenum disulfide (MoS₂) as sliding additive • colour pigments, if applicable
Components Subject to labelling	none
Classification according to REACH	Article
Notes	-

3. Product characteristics

Form/State	• solid
Color	natural
Odour	• odourless
Density	1.14 g/cm ³
Melting range	220 °C
Glass transition temperature	-
Thermal decomposition	>300 °C
Flash point	-
Ignition temperature	>400 °C
Notes	-

4. Danger warnings

Special Risks For Mankind And The Environment	none
Notes	-

5. Handling and Storage

Handling	- Product can be worked with conventional machines and tools. - Before machining the product should have room temperature and/or be stored for min. 24h under normal climatic conditions. - The embedded MoS₂ sliding modification has a favourable effect on machining; good cooling via chip removal remains important to avoid softening or smearing of the surface caused by heat build-up.
Storage	- horizontally - dry - protected against climatic influences
Safety measures	-
Shelf Life	-
Notes	-

6. Transport

Transport	Not classified as hazardous good under transport regulations.
Finished Product Packing	-
Notes	-

7. Fire-fighting measures

Suitable extinguishing agents	- water - foam - dry extinguishing media - CO₂
Potential combustion products	- carbon monoxide - nitrogen oxides - traces of hydrogen cyanide - at high temperatures possibly sulphur and molybdenum oxides from the MoS₂ content
Necessary protection equipment	Fire fighters and others exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.
Notes	Molten product should be cooled with water. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

8. Removal

Recyclability	Check possibility of recycling.
EC Waste Catalog	According to the European waste catalogue (EAK), the product is not classified as hazardous.
Waste Removal	Waste disposal by landfill or incineration in compliance with state and local regulations.
EC Waste Code	• 12 01 05 - plastics shavings and turnings • 07 02 13 - waste plastic
Notes	–

9. Marking and Guidelines

Marking in accordance with EEC Guideline	not subject to labelling
Notes	–

10. Information about REACH

Information about REACH	According to EC directive 1907/2006/EC (REACH), Article 3, No. 3, our products are clearly defined as articles, exempt from registration. The EU regulation on chemicals No. 1907/2006 (REACH), which came into force on 1st June 2007, prescribes Material Safety Data Sheets only for dangerous substances and preparations. According to REACH, we are manufacturing articles and are therefore not required to issue safety data sheets.
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11. Other Information

Other Information	All above-mentioned information is based on our current state of knowledge and does not constitute a warranty of properties/quality. Existing laws and regulations must be observed by the recipient of our products under their own responsibility.
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