

Product Handling Information Sheet

Polystone® M-Sapphire

1. Company

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2. Product details

Product/Article: Technical semi-finished product or machined part
Abbreviated terms: PE-UHMW / PE 1000
Material characterisation: Semi crystalline plastic
Main components: Polyethylene, possibly Olefin-Copolymerisate,
Stabiliser, Additives
Components subject to labelling: None
Classification according to REACh: Article
Notes: -

3. Product characteristics

Form/State: Firm
Colour: Blue
Odour: Nearly odourless
Density: 0,92 – 0,97 g/cm³ (ISO 1183)
Melting range: 100°C – 140°C (DSC)
Glass transition temperature: -
Thermal decomposition: > 390°C
Flash point: ≈ 340°C
Ignition temperature: > 350°C
Notes: -

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4. Danger warnings

Special risks for mankind and the environment: None

Notes: -

5. Handling and Storage

Handling: Product can be worked with commercially machines and tools.

Before machining the product should have room temperature and/or to be stored for min. 24h under normal climatic conditions

Storage: Horizontally, dry, protected against frost and climatic influences

Safety measures: -

Notes: -

6. Transport

Transport: Non dangerous goods according to the transport regulations

Secure against slipping

Notes: -

7. Fire – fighting measures

Suitable extinguishing agents: Water, foam, carbon dioxide (CO₂), dry powder extinguishing agents

Potential combustion products: CO, CO₂

Necessary protection equipment: Complete protection equipment for fire-brigade
Use self-contained air respirators during strong smoke and steam development

Notes: Molten product has to be cooled with water. Fire residues must be collected and disposed of according to the local instructions

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8. Disposal references

Recyclability:	Check possibility of recycling
EC Waste Catalogue:	The product is classified in accordance with the European-Waste Catalogue (EWC) as "Not dangerous"
EC Waste Code:	120105 Plastics shavings and turnings 200139 Plastics of Separately collected fractions
Waste removal:	Has to be conveyed to a suitable dumping site or combustion plant in accordance with local regulations
Notes:	-

9. References to marking, guidelines and regulations

Marking in accordance with EEC-guidelines:	No labelling required
Other guidelines:	-
Notes:	-

10. Information about REACH

In accordance with the EU directive 1907/2006/EC (REACH), article 3, no. 3, our products are clearly defined as articles not subject to registration.

The European directive regarding chemicals no. 1907/2006 (REACH) enforced on 1st June 2007 stipulates Material Safety Data Sheets (MSDS) only for dangerous substances and preparations. Our products do not fall under this scope of REACH.

11. Other information

The information in this document are based on our today's knowledge and represent no affirmation of characteristics. Existing laws and regulations are to be observed by the user of our product within his own responsibility.