

Product Handling Information Sheet

Polystone® D-black nuclear

1. Company

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2. Product details

Product/Article: Technical semi-finished product or machined part
Abbreviated terms: PE-HMW / PE 500
Material characterisation: Semi crystalline plastic
Main components: Polyethylene, possibly Olefin-Copolymerisate,
Stabiliser, Additives
Boron oxide (CAS-Nr. 1303-86-2)
Components subject to labelling: None
Classification according to REACH: Article
Notes: -

3. Product characteristics

Form/State: Firm
Colour: Black
Odour: Nearly odourless
Density: 1,00– 1,15 g/cm³ (ISO 1183)
Melting range: 130°C – 150°C (DSC)
Glass transition temperature: -
Thermal decomposition: > 390°C
Ignition temperature: > 350°C
Notes: -

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4. Danger warnings

Special risks for mankind and the environment:	None
Notes:	Boric oxide (in original material form) react with water to boric acid

5. Handling and Storage

Handling:	Product can be worked with commercially machines and tools. With a very high tool wear to be expected 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 (CO ₂), dry powder extinguishing agents
Potential combustion products:	CO, CO ₂
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 as "not dangerous" in accordance with the European Waste Catalogue (EWC)
EC Waste Code:	170204 Glass, plastic and wood, containing dangerous substances or contaminated with dangerous substances
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.