

Product Handling Information Sheet

Onyx ESD

Product Information

Product / Item	3D printing material (FDM filament)
Short designation	Onyx ESD
Material characterisation	Thermoplastic, micro carbon fibre filled, static-dissipative
Main components	Polyamide, carbon (approx. 10–15 %), carbon black (approx. 8–12 %)
Components subject to labelling	none; carbon and carbon black not classified

Product Properties

Form / state	solid (filament / printed part)
Colour	black
Odour	odourless
Density	> 1 g / cm ³
Melting range	not specified
Decomposition temperature	> 300 °C
Flash point	not specified
Ignition temperature	not specified

Hazard Information

Specific hazards to humans and the environment	none; not classified according to Regulation (EC) No. 1272/2008 (CLP)
Note	Avoid inhaling dust. Avoid dust formation. Wear suitable personal protective equipment (gloves, safety glasses) during dust-generating work.

Handling and Storage

Handling	The filament is processed additively using the FDM process. During post-processing of printed parts (e.g. sanding), extract the resulting dust and avoid inhalation.
Storage	Store in a dry, cool and well-ventilated place; protect from direct sunlight and from extremely high or low temperatures. As a hygroscopic polyamide material, store protected from moisture to maintain print quality.
Safety measures	Provide respiratory protection and extraction for dust-generating post-processing steps.
Shelf life	not specified

Transport

Transport	Not classified as dangerous goods under transport regulations.
Packaging of the finished product	–

Fire-Fighting Measures

Suitable extinguishing media	Water spray, fog, CO ₂ , alcohol-resistant foam or powder extinguishing agents
Unsuitable extinguishing media	Do not use a strong solid water jet on molten material.
Possible combustion products	Carbon oxides (CO, CO ₂), hydrocarbons, nitrogen oxides, hydrogen cyanide
Required protective equipment	Firefighters and other persons exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.
Note	Dispose of fire residues and contaminated extinguishing water in accordance with local regulations.

Disposal

Recyclability	Check the possibility of recycling; recycle where possible.
Classification under the European Waste Catalogue (EWC)	The product is not classified as hazardous.
Disposal	Dispose of contents/container in accordance with applicable local, regional and national regulations.
Waste code (EWC)	• 12 01 05 – plastics shavings and turnings • 07 02 13 – waste plastic

Labelling

Labelling per EC Directive	not subject to labelling requirements; not classified according to Regulation (EC) No. 1272/2008
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REACH Information

Classification	Under EC Regulation 1907/2006 (REACH), Article 3(3), our products are clearly defined as "articles" and are exempt from registration requirements.
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Additional Information

Note	All information above is based on our current state of knowledge and does not constitute a guarantee of specific properties. The recipient of our products is responsible for observing applicable laws and regulations.
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