

Product Handling Information Sheet

Nylon White

Product Information

Product / Item	3D printing material (FDM filament)
Short designation	Nylon White
Material characterisation	Thermoplastic, unreinforced polyamide
Main components	Polyamide; contains residual caprolactam monomer (CAS 105-60-2)
Components subject to labelling	Caprolactam (residual monomer, low content)

Product Properties

Form / state	solid (filament / printed part)
Colour	white
Odour	faint, characteristic
Density	1.1 g / cm ³
Melting range	215 – 218 °C
Decomposition temperature	not specified
Flash point	not specified
Ignition temperature	not specified

Hazard Information

Classification under Regulation (EC) No. 1272/2008 (CLP)	Harmful if swallowed and if inhaled; causes skin and eye irritation; may cause respiratory irritation (attributable to the low content of residual caprolactam monomer).
Signal word	Warning
Hazard statements (H-statements)	• H302 – Harmful if swallowed • H332 – Harmful if inhaled • H315 – Causes skin irritation • H319 – Causes serious eye irritation • H335 – May cause respiratory irritation
Precautionary statements (P-statements)	• P261 – Avoid breathing dust • P271 – Use only outdoors or in a well-ventilated area • P280 – Wear protective gloves / eye protection • P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing • P302+P352 – IF ON SKIN: Wash with plenty of water
Note	The classification relates to the low residual monomer content in the raw material; release is significantly reduced in the cured, printed part. Nonetheless, avoid inhaling sanding or machining dust and avoid skin contact.

Handling and Storage

Handling	The filament is processed additively using the FDM process. During post-processing of printed parts (e.g. sanding, drilling), extract the resulting dust, avoid inhalation, and minimise skin contact using suitable protective gloves.
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, eye protection, protective gloves and extraction for dust-generating post-processing steps. Ensure good room ventilation.
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
Possible combustion products	Carbon oxides (CO, CO ₂), nitrogen oxides, ammonia, amines, hydrocarbons
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	Subject to labelling under Regulation (EC) No. 1272/2008 (CLP) due to the residual caprolactam monomer content; GHS pictogram: exclamation mark (GHS07)
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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. The low residual monomer content should nonetheless be observed (see Hazard Information).
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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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