

Product Handling Information Sheet

Perlon® (PA 6) natural

1. Company

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2. Product Description

Product/Article	Technical semi-finished product (sheet / round rod)
Standard designation	PA 6 (polyamide 6, historical brand name Perlon®)
Characterisation	Polyamide (semi-crystalline), extruded
Main constituents	• Polyamide 6 (PA 6)
Constituents subject to labelling	none
Classification under REACH	Article
Notes	-

3. Product Properties

Form/State	• solid
Colour	natural (ivory-white)
Odour	• odourless to slightly characteristic
Density	1.14 g/cm ³
Melting range	~ 220 °C
Limit temperature (continuous use)	85 °C
Lowest temperature	-40 °C
Thermal decomposition	> approx. 300 °C (releasing, among others, carbon monoxide, nitrogen oxides, trace amines)
Flammability	HB (UL 94)
Notes	Absorbs moisture from the environment; this can change dimensions and mechanical properties.

4. Hazard Information

Special hazards to humans and the environment	none (in solid state)
Notes	Dust/chips generated during machining should not be inhaled. Overheating or combustion can release harmful decomposition products (including nitrogen oxides, carbon monoxide, trace amines).

5. Handling and Storage

Handling	- The product can be machined with standard commercial machinery (turning, milling, drilling, sawing). - Due to moisture absorption and thermal expansion, allow for swelling/shrinkage behaviour at tight tolerances; condition the semi-finished product if required. - Ensure dust extraction during machining. - Joining is possible by welding (e.g. hot-gas welding) or by machined assembly.
Storage recommendation	- horizontal - dry - protected from direct UV/sunlight - protected from contamination
Protective measures	Extraction / respiratory protection if dust is generated
Shelf life	–
Notes	–

6. Transport

Transport	Not classified as dangerous goods under transport regulations.
Packaging	–
Notes	–

7. Fire-Fighting Measures

Suitable extinguishing media	- Water - Foam - Dry extinguishing agent - CO₂
Possible combustion products	- Carbon monoxide - Carbon dioxide - Nitrogen oxides - Trace amines
Required protective equipment	Firefighters and others exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.
Notes	Collect fire residues and dispose of in accordance with local regulations.

8. Disposal Information

Recyclability	Thermoplastic polyamide; material and thermal recycling possible.
EU waste catalogue	The product is not classified as hazardous under the European Waste Catalogue (EAK).
Disposal	Material recycling or disposal in suitable incineration plants in accordance with local regulations.
Waste code no.	• 07 02 13 - plastic waste
Notes	-

9. Labelling, Directives and Regulations

Labelling under EEC directives	not subject to labelling
Notes	-

10. REACH Information

Information	Under EC Directive 1907/2006/EC (REACH), Article 3, No. 3, our products are articles that are not subject to registration. The European Chemicals Regulation (EC) No. 1907/2006 (REACH), which entered into force on 1 June 2007, requires safety data sheets (SDS) only for hazardous substances and preparations. Our products are articles under REACH, so no SDS requirement applies.
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11. Other Information

Other information	The above information is based on our current state of knowledge and does not constitute a guarantee of properties. Perlon® is a registered trade name for polyamide 6. Applicable laws and regulations must be observed by the recipient of our product on their own responsibility.
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