

Product Handling Information Sheet

PVC-CAW

1. Company

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2. Product details

Product/Article	Engineering semi-finished product (sheet / rod / tube)
Abbreviated terms	PVC-U (rigid PVC), type PVC-CAW
Material Characterisation	Amorphous thermoplastic, flame-retardant
Main Components	- polyvinyl chloride (PVC-U) - stabilisers - may contain colour/processing additives
Components Subject to labelling	none
Classification according to REACH	Article
Notes	technical grade, not for food contact

3. Product characteristics

Form/State	solid
Color	dark grey (standard; other colours available)
Odour	nearly odourless
Density	1.44 g/cm ³
Melting range	– (amorphous, no melting point)
Glass transition temperature	≈ 80 °C
Limiting temperature (continuous)	≈ 60 °C
Thermal decomposition	> approx. 150 °C (releasing HCl)
Fire behaviour	flame-retardant (UL 94 V-0; DIN 4102 B1)
Notes	–

4. Danger warnings

Special Risks For Mankind And The Environment	none (in solid state)
Notes	On overheating/fire, release of hydrogen chloride (HCl) possible.

5. Handling and Storage

Handling	• Product can be machined with conventional machines (sawing, milling, turning, drilling). • PVC-CAW is readily thermoformable and weldable (hot-gas / hot-plate welding). • Avoid overheating of the cutting zone during machining (decomposition, HCl); ensure extraction. • Before machining the product should have room temperature.
Storage	• horizontally • dry • protected against climatic influences • protected from strong heat
Safety measures	In case of dust/fumes, extraction / respiratory protection
Shelf Life	–
Notes	–

6. Transport

Transport	• Not classified as hazardous good under transport regulations.
Finished Product Packing	–
Notes	–

7. Fire-fighting measures

Suitable extinguishing agents	• water • foam • dry extinguishing media • CO₂
Potential combustion products	• hydrogen chloride (HCl) • carbon monoxide • carbon dioxide
Necessary protection equipment	• Fire fighters and others exposed to combustion products should wear full protective clothing and self-contained breathing apparatus (HCl formation).
Notes	Fire residues must be collected and disposed of in accordance with local regulations.

8. Removal

Recyclability	PVC is generally recyclable; check single-grade recycling.
EC Waste Catalog	According to the European waste catalogue (EAK), the product is not classified as hazardous.
Waste Removal	The material can be sent for suitable recycling or to an incineration plant (with HCl flue-gas cleaning) in compliance with local regulations.
EC Waste Code	• 07 02 13 - waste plastic • 12 01 05 - plastics shavings and turnings
Notes	–

9. Marking and Guidelines

Marking in accordance with EEC Guideline	not subject to labelling
Notes	–

10. Information about REACH

Information about REACH	According to EC directive 1907/2006/EC (REACH), Article 3, No. 3, our products are clearly defined as articles, exempt from registration. The EU regulation on chemicals No. 1907/2006 (REACH), which came into force on 1st June 2007, prescribes Material Safety Data Sheets only for dangerous substances and preparations. According to REACH, we are manufacturing articles and are therefore not required to issue safety data sheets.
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11. Other Information

Other Information	All above-mentioned information is based on our current state of knowledge and does not constitute a warranty of properties/quality. Existing laws and regulations must be observed by the recipient of our products under their own responsibility.
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