

Information about the content

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Valid from:	03-May-2021	Controlled:	QM

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Densimet® – D176 (according to ASTM B777-2015 class 2)

1 Chemical composition

W 92,5 [wt%]

DENSIMET® D176 is according to RoHS directives (EU2002/95/EG, EU2000/53/EG, EU2006/122/EG) and REACH Regulation EC 1907/2006. Confirmations are available upon request.

2 Material properties

Feature	Unit	Value
Density	g/cm ³	17,15 – 17,85
Tensile strength	MPa	≥ 758
Yield strength R _{p0,2}	MPa	≥ 517
Fracture elongation	%	≥ 5
Hardness	HRC	≤ 33

All mechanical and physical properties are measured at room temperature at separated test specimen.

If test bars are machined from the actual production parts, there may be deviations from the properties in the table.



PRODUCT SPECIFICATION

3 Packaging and certification

3.1 Packaging

Each delivery will be packed with our standard packaging methods, guaranteeing a safe and cost-efficient transport.

Special or individual packaging should be used if the material is stored under unusual conditions (aggressive atmosphere, sea air, ...) and can be arranged upon request.

The DENSIMET® material must be kept in a dry place and protected from mechanical damage.

It's most suitable to keep the material in their original packing until used.

3.2 Inspection documents

Following inspection documents will be supplied upon customer request according to EN 10204:

- Test report 2.2
- Inspection certificate 3.1 (extra costs are charged / scope of testing to be defined)

Test report 2.2

PLANSEE confirms the fulfilment of specified values.

Inspection certificate 3.1

PLANSEE indicates actual analysis results depending on customer request. The scope of testing has to be defined / agreed with the customer during the inquiry or ordering process.



Changes to last version:

Revision	Replacing	Prepared	Released	Reason for revision	Date
00	Q-D 04-25e Rev. 1	T. Nuscheler	F. Goral	New Layout	18.01.2018
01	PCM-000-PS-110	A. Frommert	A. Müller	Including General roughness	16.04.2018
02	PCM-000-PS-110 Rev.01	L. Lorenz	A. Müller	Adapted to ASTM B777, removed Ni and Fe	03.05.2021



Details to our certificates
at www.plansee.com

