Valid from: 04.10.24
Revision: 3

Product: Tungsten granules 0.05 – 2.0 mm (equivalent to 10 – 270 U.S. mesh)

Manufacturing: Powder metallurgy (mixing, pressing, sintering), compacting, crushing, screening and heat treatment.

1. Chemical composition

Element	Range (Min. – Max.)	Typical value
Tungsten (W)	99.7 – 99.95 %	99.9 %
Carbon (C)	3.0 – 5.0 ppm	4.0 ppm
Sulfur (S)	1.0 – 2.0 ppm	1.5 ppm

2. Mechanical and Physical Properties

Property	Range (Min. – Max.)	Typical value
Fraction [mm]	0.05 – 2.0	0.05 – 2.0
Tap density [g/cm3]	11.5 – 12.8	12.2
Appearance and surface finish	Broken particles between 0.05 and 2.0 mm with irregular surfaces	

3. Applications

- Accelerator Material for Carbon and Sulfur Analysis
- Alloying Element and Additive in Powder and Melt Metallurgy
- Material for radiation shielding (e.g. in medical diagnostics and radiation therapy)
- Material for mass balancing in rotating systems (avionics, radar, crankshafts, etc.)
- Other

4. Standards and Certificates

Upon request, we are pleased to provide factory certificates in compliance with EN 10204, available as either a 2.2 or 3.1 inspection certificate

5. Packaging

We offer you packaging solutions tailored to your needs:

- Can packaging: Available in sizes of 1 kg, 2.5 kg, and 5 kg.
- Bulk packaging: Available in quantities of 20 kg, 50 kg and 100 kg.
- Special packaging: Other individual packaging options are available on request.

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Valid From: 04.10.24
Revision: 3

Product: Tungsten granules 0.42 – 0.85 mm (equivalent to 20 – 40 U.S. mesh)

Manufacturing: Powder metallurgy (mixing, pressing, sintering), compacting, crushing, screening and heat treatment.

1. Chemical composition

Element	Range (Min. – Max.)	Typical value
Tungsten (W)	9.,7 – 99.95 %	99.9 %
Carbon (C)	3.0 – 5.0 ppm	4.0 ppm
Sulfur (S)	1.0 – 2.0 ppm	1.5 ppm

2. Mechanical and Physical Properties

Property	Range (Min. – Max.)	Typical value
Fraction [mm]	0.42 – 0.85	0.42 – 0.85
Tap density [g/cm3]	9.0 – 10.5	9.6
Appearance and surface finish	Fractional particles between 0.42 and 0.85 mm with irregular surfaces	

3. Applications

- Accelerator Material for Carbon and Sulfur Analysis
- Alloying Element and Additive in Powder and Melt Metallurgy
- Material for radiation shielding (e.g. in medical diagnostics and radiation therapy)
- Material for mass balancing in rotating systems (avionics, radar, crankshafts, etc.)
- Other

4. Standards and Certificates

Upon request, we are pleased to provide factory certificates in compliance with EN 10204, available as either a 2.2 or 3.1 inspection certificate.

5. Packaging

We offer you packaging solutions tailored to your needs

- Can packaging: Available in 1 kg, 2.5 kg and 5 kg sizes.
- Bulk packaging: Available in quantities of 20 kg, 50 kg and 100 kg.
- Special packaging: Other individual packaging options are available on request.

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Valid from: 04.10.24
Revision: 3

Product: Tungsten granules 0.5 – 1.6 mm (equivalent to 12 – 35 U.S. mesh)

Manufacturing: Powder metallurgy (mixing, pressing, sintering), compacting, crushing, screening and heat treatment.

1. Chemical composition

Element	Range (Min. – Max.)	Typical value
Tungsten (W)	99.7 – 99.95 %	99.9 %
Carbon (C)	3.0 – 5.0 ppm	4.0 ppm
Sulfur (S)	1.0 – 2.0 ppm	1.5 ppm

2. Mechanical and Physical Properties

Property	Range (Min. – Max.)	Typical value
Fraction [mm]	0.5 – 1.6	0.5 – 1.6
Tap density [g/cm3]	9.0 – 10.5	9.6
Appearance and surface finish	Fractional particles between 0.5 and 1.6 mm with irregular surfaces	

3. Applications

- Accelerator Material for Carbon and Sulfur Analysis
- Alloying Element and Additive in Powder and Melt Metallurgy
- Material for radiation shielding (e.g. in medical diagnostics and radiation therapy)
- Material for mass balancing in rotating systems (avionics, radar, crankshafts, etc.)
- Other

4. Standards and Certificates

Upon request, we are pleased to provide factory certificates in compliance with EN 10204, available as either a 2.2 or 3.1 inspection certificate.

5. Packaging

We offer you packaging solutions tailored to your needs:

- Can packaging: Available in sizes of 1 kg, 2.5 kg, and 5 kg.
- Bulk packaging: Available in quantities of 20 kg, 50 kg and 100 kg.
- Special packaging: Other individual packaging options are available on request.

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Valid from: 04.10.24
Revision: 3

Product: Tungsten granules 0.5 – 2.0 mm (corresponds to 10 – 35 U.S. mesh)

Manufacturing: Powder metallurgy (mixing, pressing, sintering), compacting, crushing, screening and heat treatment.

1. Chemical composition

Element	Range (Min. – Max.)	Typical value
Tungsten (W)	99.7 – 99.95 %	99.9 %
Carbon (C)	3.0 – 5.0 ppm	4.0 ppm
Sulfur (S)	1.0 – 2.0 ppm	1.5 ppm

2. Mechanical and Physical Properties

Property	Range (Min. – Max.)	Typical value
Fraction [mm]	0.5 – 2.0	0.5 – 2.0
Tap density [g/cm3]	9.0 – 10.5	9.6
Appearance and surface finish	Broken particles between 0.5 and 2.0 mm with irregular surfaces	

3. Applications

- Accelerator Material for Carbon and Sulfur Analysis
- Alloying Element and Additive in Powder and Melt Metallurgy
- Material for radiation shielding (e.g. in medical diagnostics and radiation therapy)
- Material for mass balancing in rotating systems (avionics, radar, crankshafts, etc.)
- Other

4. Standards and Certificates

Upon request, we are pleased to provide factory certificates in compliance with EN 10204, available as either a 2.2 or 3.1 inspection certificate.

5. Packaging

We offer you packaging solutions tailored to your needs:

- Can packaging: Available in sizes of 1 kg, 2.5 kg, and 5 kg.
- Bulk packaging: Available in quantities of 20 kg, 50 kg and 100 kg.
- Special packaging: Other individual packaging options are available on request.

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Valid from: 04.10.24
Revision: 3

Product: Tungsten granules 0.85 – 1.6 mm (corresponds to 12 – 20 U.S. mesh)

Manufacturing: Powder metallurgy (mixing, pressing, sintering), compacting, crushing, screening and heat treatment.

1. Chemical composition

Element	Range (Min. – Max.)	Typical value
Tungsten (W)	99.7 – 99.95 %	99.9 %
Carbon (C)	3.0 – 5.0 ppm	4.0 ppm
Sulfur (S)	1.0 – 2.0 ppm	1.5 ppm

2. Mechanical and Physical Properties

Property	Range (Min. – Max.)	Typical value
Fraction [mm]	0.85 – 1,6	0.85 – 1.6
Tap density [g/cm3]	9.0 – 10.5	9.6
Appearance and surface finish	Broken particles between 0.85 and 1.6 mm with irregular surfaces	

3. Applications

- Accelerator Material for Carbon and Sulfur Analysis
- Alloying Element and Additive in Powder and Melt Metallurgy
- Material for radiation shielding (e.g. in medical diagnostics and radiation therapy)
- Material for mass balancing in rotating systems (avionics, radar, crankshafts, etc.)
- Other

4. Standards and Certificates

Upon request, we are pleased to provide factory certificates in compliance with EN 10204, available as either a 2.2 or 3.1 inspection certificate.

5. Packaging

We offer you packaging solutions tailored to your needs:

- Can packaging: Available in sizes of 1 kg, 2.5 kg, and 5 kg.
- Bulk packaging: Available in quantities of 20 kg, 50 kg and 100 kg.
- Special packaging: Other individual packaging options are available on request.

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Valid from: 04.10.24
Revision: 3

Product: Tungsten granules 1.0 – 2.0 mm (corresponds to 10 – 18 U.S. mesh)

Manufacturing: Powder metallurgy (mixing, pressing, sintering), compacting, crushing, screening and heat treatment.

1. Chemical composition

Element	Range (Min. – Max.)	Typical value
Tungsten (W)	99.7 – 99.95 %	99.9 %
Carbon (C)	3.0 – 5.0 ppm	4.0 ppm
Sulfur (S)	1.0 – 2.0 ppm	1.5 ppm

2. Mechanical and Physical Properties

Property	Range (Min. – Max.)	Typical value
Fraction [mm]	1.0 – 2.0	1.0 – 2.0
Tap density [g/cm3]	9.0 – 10.5	9,6
Appearance and surface finish	Broken particles between 1.0 and 2.0 mm with irregular surfaces	

3. Applications

- Accelerator Material for Carbon and Sulfur Analysis
- Alloying Element and Additive in Powder and Melt Metallurgy
- Material for radiation shielding (e.g. in medical diagnostics and radiation therapy)
- Material for mass balancing in rotating systems (avionics, radar, crankshafts, etc.)
- Other

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