

# POWDERS

## STANDARD TUNGSTEN POWDERS

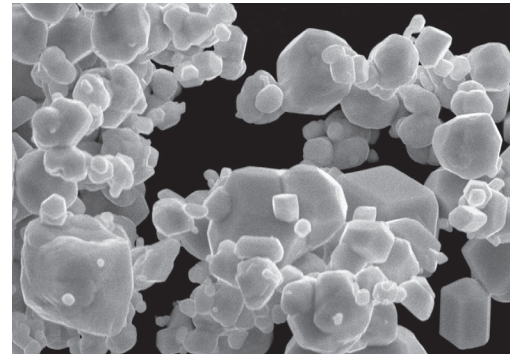
### TECHNICAL DATA

#### PRODUCT DESCRIPTION

Kennametal manufactures high-quality, refractory tungsten metal powders using automated reduction of tungsten oxide. Additional special powder processing services are available to produce tungsten metal powder with custom size distribution(s), increased apparent density(ies), and/or flow(s).

#### APPLICATIONS

Electrical contacts, particle guns, catalysts, tungsten mill products, thermal and non-thermal spray powders, munitions, and radiation shielding.



Standard W Powder 50x SEM

#### TYPICAL PHYSICAL PROPERTIES

Product Type	Product Code (Material Master)	FSSS (µm)	Purity <sup>1</sup>	Total Oxygen	Scott Density g/in <sup>3</sup>
KW08 <sup>F</sup>	6283145	0.6–1.0	≥99.95%	<0.35	25–45
KW12 <sup>F</sup>	6283146	1.0–1.4	≥99.95%	<0.30	25–45
KW17 <sup>F</sup>	6283147	1.4–2.0	≥99.95%	<0.30	30–50
KW23 <sup>F</sup>	6283150	2.0–2.6	≥99.95%	<0.10	35–55
KW30	6283191	2.7–3.2	≥99.95%	<0.07	35–65
KW35	6283192	3.2–3.8	≥99.95%	<0.07	45–65
KW42	6283193	3.8–4.5	≥99.95%	<0.07	45–75
KW50	6283194	4.5–5.5	≥99.95%	<0.06	50–80
KW60	6283195	5.5–6.5	≥99.95%	<0.06	50–80
KW73	6283196	6.5–8.0	≥99.95%	<0.05	50–90
KW90	6283197	8.0–10.0	≥99.95%	<0.05	50–90
KW110	6283198	10.0–12.0	≥99.95%	<0.05	50–90
KW135	6283199	12.0–15.0	≥99.9%	<0.05	55–100
KW165	6283200	15.0–18.0	≥99.9%	<0.05	65–110
KW200	6420160	18.0–22.0	≥99.9%	<0.05	65–110

Custom products and solutions available upon request. Standard product datasheets are available upon request.

<sup>F</sup> Flammable Hazard Rating for DOT shipping.

<sup>1</sup> Purity: Tungsten by difference excluding gases.

#### PACKAGING

Product is shipped inside polyethylene bags within the following containers:

- 3.5-gallon pails (up to 25 kg per container).
- 17-gallon metal drums (up to 250 kg per container) by special request on large orders.

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#### Contact Us

k-hntv.inside-sales@kennametal.com

Tel: +(888) 777-6852



kennametal.com