



DESCRIPTION

Kennametal manufactures high-quality refractory tungsten powders using automated reduction of tungsten oxide.

APPLICATIONS

We manufacture tungsten powder for use in electrical contacts, particle guns, catalysts, and raw material for tungsten mill products and wire. Coarse tungsten powder is used in thermal spray applications and applications that require non-thermal powder consolidation technologies. Tungsten powders are widely used in lead-free ammunition and moldable radiation shielding products. Tungsten powders are also used as pour-in, high density filling material for irregularly shaped cavities, weights and radiation attenuation material. Special powder processing services are available to produce tungsten powder with a narrow particle size distribution, increased apparent density, and/or high flow.

TYPICAL PHYSICAL PROPERTIES

Product Type	Material Master#	FSSS, μm As supplied	Purity ¹	Scott Density g/in ³	O ₂ (%)
KW08 ^F	6283145	0.6 – 1.0	≥99.95%	25-45	≤0.35
KW12 ^F	6283146	1.0 – 1.4	≥99.95%	25-45	≤0.30
KW17 ^F	6283147	1.4 – 2.0	≥99.95%	30-50	≤0.30
KW23 ^F	6283150	2.0 – 2.6	≥99.95%	35-55	≤0.10
KW30	6283191	2.7 – 3.2	≥99.95%	35-65	≤0.07
KW35	6283192	3.2 – 3.8	≥99.95%	45-65	≤0.07
KW42	6283193	3.8 – 4.5	≥99.95%	45-75	≤0.07
KW50	6283194	4.5 – 5.5	≥99.95%	50-80	≤0.06
KW60	6283195	5.5 – 6.5	≥99.95%	50-80	≤0.06
KW73	6283196	6.5 – 8.0	≥99.95%	50-90	<0.05
KW90	6283197	8.0 – 10.0	≥99.95%	50-90	<0.05
KW110	6283198	10.0 – 12.0	≥99.95%	50-90	<0.05
KW135	6283199	12.0 – 15.0	≥99.9%	55-100	<0.05
KW165	6283200	15.0 – 18.0	≥99.9%	65-110	<0.05

Custom products and solutions available upon request.

Standard Product Datasheets are available upon request.

^F Flammable Hazard Rating for DOT shipping.

¹ Purity: Tungsten by difference excluding gasses.



PACKAGING

Material in pails or drums is packed in polyethylene bags inside the following containers:

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

TERMS

All prices are in U.S. Dollars per Kilogram.

Prices are valid for 15 days and are subject to change without notice.

Shipping terms are Ex-Works Kennametal Facility, Alabama, U.S.A.

CONTACT

Please contact Kennametal's customer service group with inquiries or about larger or customized orders.

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