

# AEROSPACE MATERIAL SPECIFICATION



**AMS 7880C**

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| Issued                | NOV 1970 |
| Revised               | APR 1987 |
| Noncurrent            | MAR 1994 |
| Reaffirmed            | SEP 2002 |
| Cancelled             | MAR 2007 |
| Superseding AMS 7880B |          |

## Tungsten Carbide-Cobalt Powder Sintered and Crushed

### RATIONALE

AMS 7880B has been designated Cancelled because survey of aerospace users and producers determined this product is not produced to this specification.

### CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of March, 2007. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications indicating that it has been "CANCELLED".

Cancelled specifications are available from SAE.

Similar but not necessarily identical product is covered in the following specification. However, this is provided for information only and does not constitute authority to substitute this specification for the "CANCELLED" specification.

AMS 7881 Tungsten Carbide-Cobalt Powder Agglomerated and Sintered

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**NONCURRENT NOTICE**

This specification has been declared "NONCURRENT" by the Aerospace Materials Division, SAE, as of September 2002. It is recommended, therefore, that this specification not be used for new designs.

"NONCURRENT" refers to those materials or processes which have previously been widely used and may be required on some existing designs in the future. The Aerospace Materials Division, however, does not recommend these as standard materials or processes for future use in new designs.

"NONCURRENT" specifications are available from SAE upon request.

**1. SCOPE:****1.1 Form:**

This specification covers tungsten carbide-cobalt in the form of powder.

**1.2 Application:**

Primarily for producing plasma spray coatings to provide wear and fretting resistant surfaces.

**2. APPLICABLE DOCUMENTS:**

The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

**2.1 SAE Publications:**

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

**2.1.1 Aerospace Material Specifications:**

AMS 2350 Standards and Test Methods

**2.2 ASTM Publications:**

Available from ASTM, 1916 Race Street, Philadelphia, PA 19103.

ASTM B214 Sieve Analysis of Granular Metal Powders

ASTM B215 Sampling Finished Lots of Metal Powders

**2.3 U.S. Government Publications:**

Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

**2.3.1 Military Standards:**

MIL-STD-794 Parts and Equipment, Procedures for Packaging and Packing of