

AI-0720

Description and Applications

Cast tungsten carbide is a very hard, abrasion resistant metal alloy, produced by melting tungsten in the presence of carbon. Generally, the material is poured into ingot form, crushed into irregular particle shapes and subsequently screened into various U.S. Standard Sieve Sizes.

Applications include:

- Diamond drill bit matrices.
- Blends with other metal alloys for hardfacing applications.
- Fabrication of Tungsten Carbide tube rods and automatic welding wires.
- Hardbanding of drill collars and tool joints.
- Hardfacing of rock bits.

Typical Weldmetal Analysis

C	W	Fe
3.50-4.00	93.50-96.50	1.50

Mechanical Properties of Weldmetal

	As Welded
Abrasion Resistance	Excellent
Impact Resistance	Moderate
Hardness	Up to 2500 Knoop

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au

