

## AI-0711TC

### Description and Applications

Tungsten Carbide Cobalt Pellets are made from very fine tungsten carbide and cobalt powders which have been thoroughly blended and ball milled. The powder is pelletized to the required mesh size and sintered. The resultant pellets exhibit an excellent combination of hardness, strength and wear resistance.

Applications include:

- Hardfacing oilfield tools.
- Hardfacing mining tools.
- Hardbanding tool joints.
- Hardbanding drill collars.

### Typical Weldmetal Analysis

| Cobalt | Tungsten Carbide |
|--------|------------------|
| 7%     | 93%              |

### Mechanical Properties of Weldmetal

|                     | As Welded |
|---------------------|-----------|
| Abrasion Resistance | Excellent |
| Impact Resistance   | Excellent |
| Particle Shape      | Rounded   |
| Hardness            | 88 Ra Min |

### Welding Parameters

**Standard Sieve Sizes:** 10/20, 30/40, 14/24, 35/70 & 20/30.

Other sizes available on request.

### Disclaimer

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

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