

## Data Sheet — Blesol Tech Stellite 6

for technical applications

### Comparable Standards

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### Composition

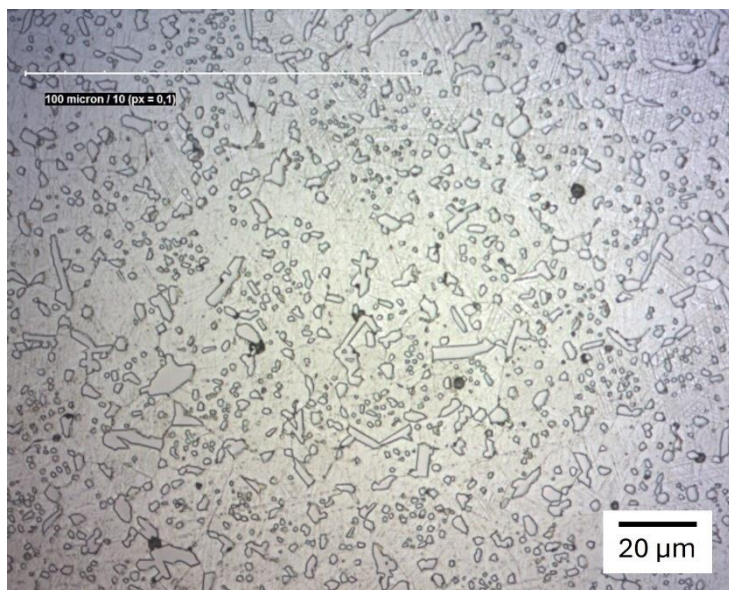
|              | Co   | Cr   | W   | C    | Si  | Mn  | Ni  | Fe  | Mo  | Co   | Cr   |
|--------------|------|------|-----|------|-----|-----|-----|-----|-----|------|------|
| Min. (wt. %) | -    | 26.0 | 4.0 | 0.75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -    | 26.0 |
| Max. (wt. %) | Bal. | 30.0 | 5.5 | 1.3  | 2.0 | 1.0 | 3.0 | 3.0 | 1.0 | Bal. | 30.0 |

### Typical Properties

|                       | Density           | Hardness | R <sub>m</sub> | R <sub>p0.2</sub> | A <sub>10</sub> |
|-----------------------|-------------------|----------|----------------|-------------------|-----------------|
| Characteristic values | g/cm <sup>3</sup> | HV 10    | MPa            | MPa               | %               |
| as sintered           | ≥ 8.20            | ≥ 360    | -              | -                 | -               |

### Microstructure

as sintered



### Characteristics

Co-based hard alloy. Highly resistant to wear, abrasion and corrosion, even at high temperatures (500°C). Gas atomized Prealloy.

### Typical Applications

Frequently used for highly stressed guide rails, cutting tools, turbochargers, valve guides and slides. Generally, in zones that are exposed to heavy wear and high temperatures.

These data presented here are based on our current knowledge and experience, but no liability can be assumed.