

## TECHNICAL DATA SHEET

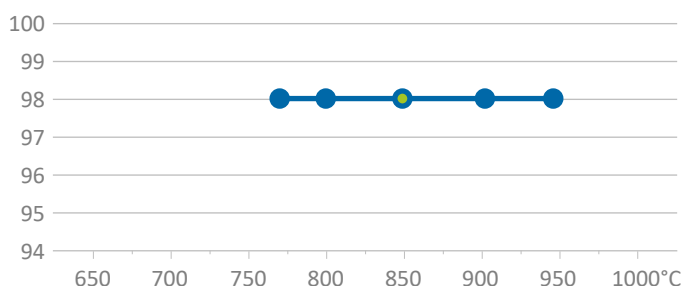
# RISE10

## Hot Pressing Pre-Alloyed Powder

### TYPICAL PHYSICAL AND CHEMICAL DATA

| RISE10 powder                    |      |
|----------------------------------|------|
| Theoretical density ( $g/cm^3$ ) | 8.35 |
| Scott density ( $g/cm^3$ )       | 1.4  |
| Tap density ( $g/cm^3$ )         | 2.4  |
| Oxygen content (wt %)            | 0.5  |
| Fisher grain size( $\mu m$ )     | 3.0  |

### % RELATIVE DENSITY



### SINTERING CONDITIONS

|                                   |                        |
|-----------------------------------|------------------------|
| Minimum sintering temperature     | 800°C                  |
| Recommended sintering temperature | 850°C                  |
| Cold Pressure                     | 350 kg/cm <sup>2</sup> |
| Holding time                      | 5 min                  |

### HARDNESS

