

TECHNICAL DATA SHEET

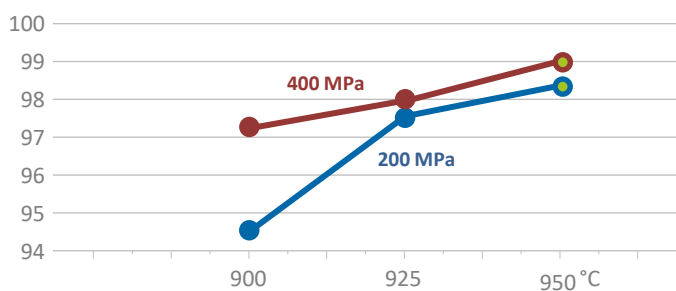
RISE40

Free Sintering Pre-Alloyed Powder

TYPICAL PHYSICAL AND CHEMICAL DATA

RISE40 powder	
Theoretical density (g/cm^3)	7.93
Scott density (g/cm^3)	1.0
Tap density (g/cm^3)	2.0
Oxygen content (wt %)	1.0
Fisher grain size(μm)	2.0

% RELATIVE DENSITY



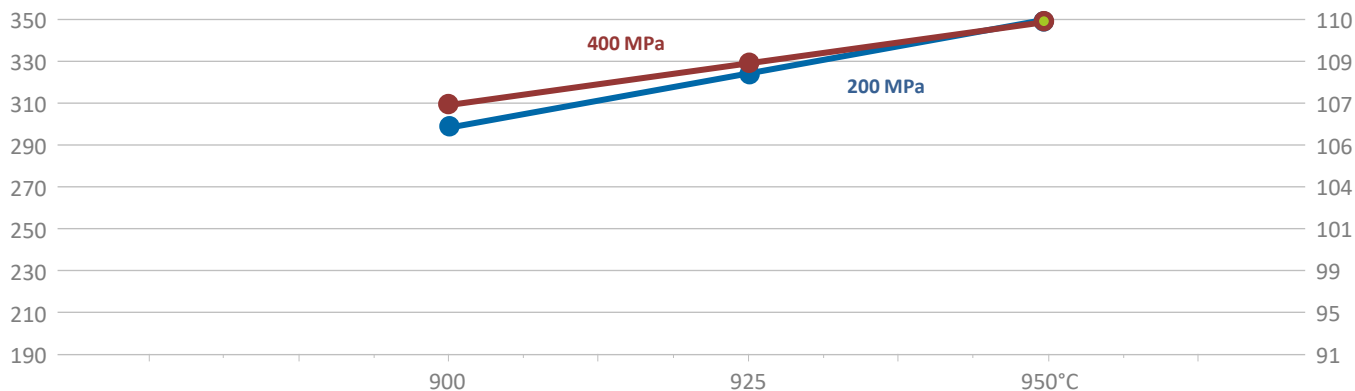
SINTERING CONDITIONS

Minimum sintering temperature	925°C
Recommended sintering temperature	950°C
Cold Pressure	200/400 MPa
Holding time	60 min

HARDNESS

H Brinell

H Rockwell B (equivalent)



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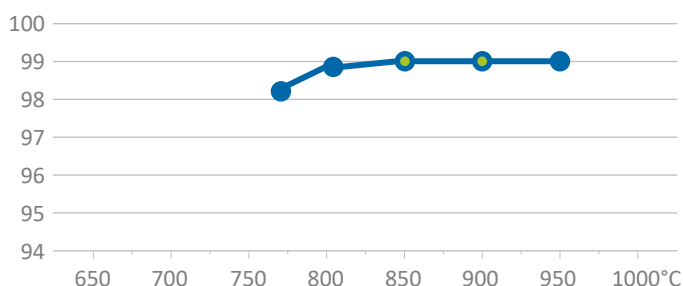
RISE40

Hot Pressing Pre-Alloyed Powder

TYPICAL PHYSICAL AND CHEMICAL DATA

RISE40 powder	
Theoretical density (g/cm^3)	7.93
Scott density (g/cm^3)	1.0
Tap density (g/cm^3)	2.0
Oxygen content (wt %)	1.0
Fisher grain size(μm)	2.0

% RELATIVE DENSITY



SINTERING CONDITIONS

Minimum sintering temperature	800°C
Recommended sintering temperature	850°C - 900°C
Pressure	350 kg/cm ²
Holding time	5 min

HARDNESS

