



Distaloy SA

Sponge based diffusion-alloyed powder with high green strength that is used both in the sintered as well as heat-treated condition.

Typical data

Apparent density, g/cm ³	Flow, sec/50g
2.80	30

Sieve analysis, %

+ 212 µm	0
+ 150 µm	1
- 45 µm	21

Compressibility, g/cm³

Compacting pressure	Lubricated die	0.6% Kenolube®	0.8% Zn-st
300 MPa	6.27	6.32	6.37
500 MPa	6.90	6.89	6.91
700 MPa	7.20	7.16	7.15

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
300 MPa	15	7	6
500 MPa	35	14	8
700 MPa	53	20	13

Chemical analysis, %

Carbon	<0.01
H ₂ -loss	0.1
Copper	1.50
Nickel	1.75
Molybdenum	0.50

0.8% Zn-stearate
0.6% Kenolube
Lubricated tool die

