



Distaloy DC

Diffusion and pre-alloyed grade with excellent dimensional control, also suitable for sinter-hardening.

Typical data

Apparent density, g/cm ³	Flow, sec/50g
3.05	24

Sieve analysis, %

+ 250 µm	0
+ 150 µm	13
- 45 µm	19

Compressibility, g/cm³

Compacting pressure	Lubricated die	0.6% Kenolube®	0.8% Zn-st
400 MPa	6.57	6.66	6.70
600 MPa	7.10	7.10	7.10
800 MPa	7.37	7.31	7.29

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
400 MPa	17	11	8
600 MPa	31	19	13
800 MPa	45	24	16

Chemical analysis, %

Carbon	<0.01
O-tot	0.08
Nickel	2.00
Molybdenum	1.47

- 0.8% Amide-wax
- 0.8% Zn-st
- 0.6% Kenolube
- 0.6% Lube + 0.45% Graphite, Warm compaction
- Lubricated tool die

