



Distaloy AE

High strength diffusion-alloyed powder for robustness and high strength already in the sintered condition. Widely used in synchronising parts and other high performance applications.

Typical data

Apparent density, g/cm ³	Flow, sec/50g
3.05	26

Sieve analysis, %

+ 212 µm	0
+ 150 µm	7
- 45 µm	25

Compressibility, g/cm³

Compacting pressure	Lubricated die	0.6% Kenolube®	0.8% Zn-st
400 MPa	6.71	6.75	6.80
600 MPa	7.18	7.16	7.17
800 MPa	7.44	7.35	7.33

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
400 MPa	17	13	10
600 MPa	34	20	14
800 MPa	44	24	16

Chemical analysis, %

Carbon	<0.01
O-tot	0.1
Copper	1.50
Nickel	4.00
Molybdenum	0.50

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

