



Distaloy HP

Diffusion and pre-alloyed grade with the highest performance achieved in the as sintered condition, used for most demanding and dynamically loaded applications such as synchronising parts.

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	6.58	6.63	6.70
600 MPa	7.08	7.09	7.11
800 MPa	7.36	7.31	7.30

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
400 MPa	15	11	8
600 MPa	30	18	13
800 MPa	41	22	15

Chemical analysis, %

Carbon	<0.01
O-tot	0.08
Copper	2.00
Nickel	4.00
Molybdenum	1.41

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

