



Distaloy DH

Diffusion and pre-alloyed grade suitable for direct hardening with very high and even hardness.

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	6.60	6.69	6.69
600 MPa	7.10	7.13	7.10
800 MPa	7.39	7.34	7.30

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
400 MPa	16	10	7
600 MPa	30	18	12
800 MPa	43	22	14

Chemical analysis, %

Carbon	<0.01
O-tot	0.08
Copper	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

