



Astaloy™ A

Pre-alloyed Ni-Mo grade suitable for sinter-hardening with Cu added.

Typical data

Apparent density, g/cm ³	Flow, sec/50g
3.00	25

Sieve analysis, %

+ 250 µm	0
+ 150 µm	12
- 45 µm	20

Compressibility, g/cm³

Compacting pressure	Lubricated die	0.6% Kenolube®	0.8% Zn-st
400 MPa	6.48	6.53	6.58
600 MPa	6.99	7.02	7.02
800 MPa	7.28	7.26	7.23

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
400 MPa	10	10	7
600 MPa	19	17	11
800 MPa	28	21	14

Chemical analysis, %

Carbon	<0.01
O-tot	0.11
Nickel	1.90
Molybdenum	0.55
Manganese	0.20

