



## Astaloy™ CrA

Cost effective pre-alloyed Cr grade suitable for sinter-hardening with Cu or Ni addition and for nitriding, giving excellent wear resistance.

### Typical data

Apparent density, g/cm <sup>3</sup>	Flow, sec/50g
2.85	26

### Sieve analysis, %

+ 250 µm	0
+ 150 µm	8
- 45 µm	16

### Compressibility, g/cm<sup>3</sup>

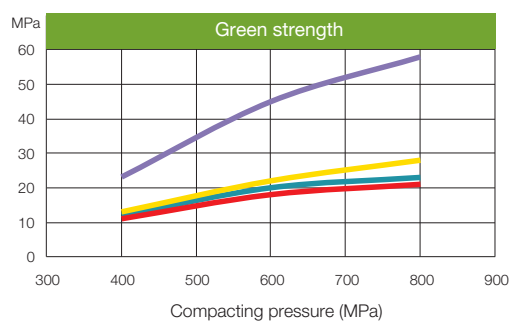
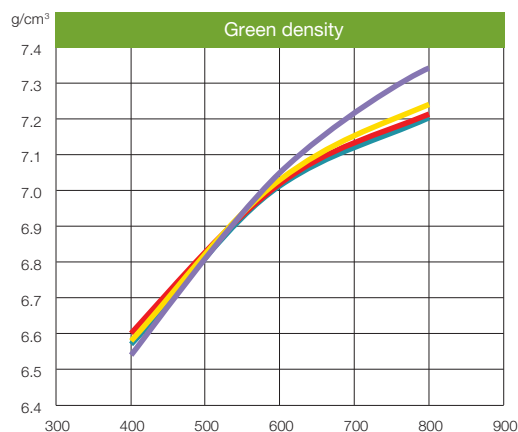
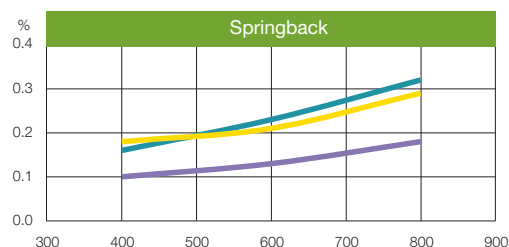
Compacting pressure	Lubricated die	0.6% Lube E	0.8% Zn-st
400 MPa	6.54	6.58	6.60
600 MPa	7.05	7.03	7.02
800 MPa	7.34	7.24	7.21

### Green strength, MPa

Compacting pressure	Lubricated die	0.6% Lube E	0.8% Zn-st
400 MPa	23	13	11
600 MPa	45	22	18
800 MPa	58	28	21

### Chemical analysis, %

Carbon	<0.01
O-tot	0.15
Chromium	1.80



— Lubricated die  
— 0,6% Lube E  
— 0,8% Amide-wax  
— 0,8% Zn-stearate