



PNC60

Sponge iron powder with phosphorous for good strength and excellent ductility, used where green strength is essential. High strength is obtained with graphite addition.

Typical data

Apparent density, g/cm ³	Flow, sec/50g
2.55	33

Sieve analysis, %

+ 212 µm	0
+ 150 µm	1
- 45 µm	21

Compressibility, g/cm³

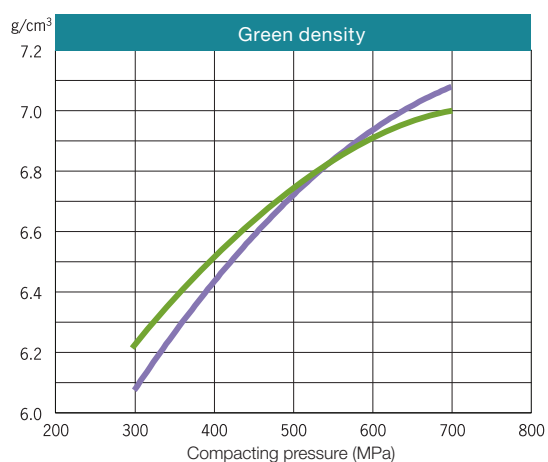
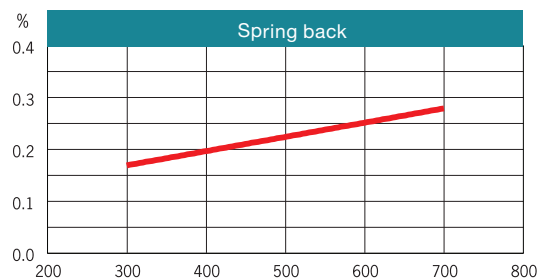
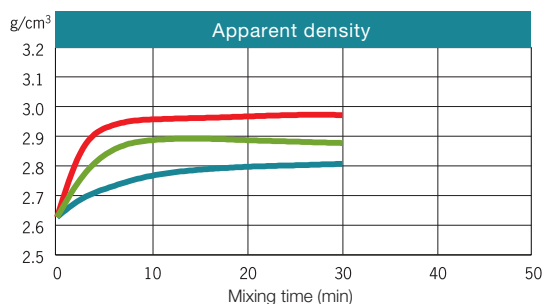
Compacting pressure	Lubricated die	0.6% Kenolube® or 0.8% Zn-st
300 MPa	6.07	6.22
500 MPa	6.71	6.72
700 MPa	7.08	7.01

Green strength, MPa

Compacting pressure	Lubricated die	0.6% Kenolube	0.8% Zn-st
300 MPa	19	12	8
500 MPa	46	24	18
700 MPa	57	31	23

Chemical analysis, %

Carbon	0.04
H ₂ -loss	0.19
Phosphorous	0.60



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