



NC100.24

The original sponge iron powder used widely in shock absorbers and other parts where very high green strength is essential. It has excellent dimensional stability.

Typical data

| Apparent density, g/cm ³ | Flow, sec/50g |
|-------------------------------------|---------------|
| 2.45 | 32 |

Sieve analysis, %

| | |
|----------|----|
| + 212 µm | 0 |
| + 150 µm | 1 |
| - 45 µm | 19 |

Compressibility, g/cm³

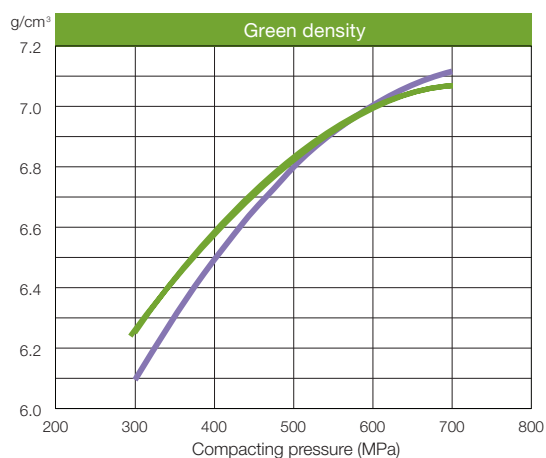
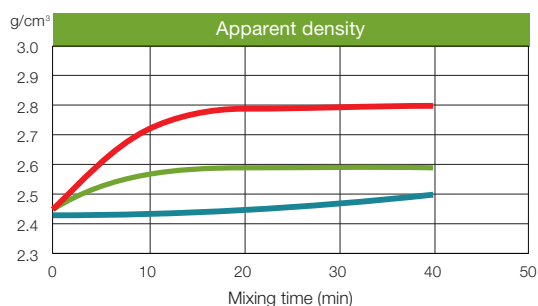
| Compacting pressure | Lubricated die | 0.6% Kenolube® or 0.8% Zn-st |
|---------------------|----------------|------------------------------|
| 300 MPa | 6.09 | 6.25 |
| 500 MPa | 6.79 | 6.83 |
| 700 MPa | 7.12 | 7.07 |

Green strength, MPa

| Compacting pressure | Lubricated die | 0.6% Kenolube | 0.8% Zn-st |
|---------------------|----------------|---------------|------------|
| 300 MPa | 28 | 14 | 10 |
| 500 MPa | 55 | 24 | 18 |
| 700 MPa | 65 | 30 | 23 |

Chemical analysis, %

| | |
|----------------------|-------|
| Carbon | <0.01 |
| H ₂ -loss | 0.14 |



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