

# Zirconium Metal powder, Grade N2



**PRODUCT** Zirconium Metal powder, Grade N2, Dry  
 SPZR Type Product No. 11002  
 CAS No. 7440-67-7 EINECS-No. 231-176-9

**APPEARANCE** Greyish-black powder

**FORMULA** Zr

**APPLICATION** High energy igniters, Fuses and thermal batteries in pyrotechnics, production of highly reactive fuses, delay composition, and igniter composition in pyrotechnics for use in ammunition, explosive, airbags and belt pretentioners, getter materials zirconium component in powder metallurgy, as a source material of getter film for manufacturing transmitter.

## SPECIFICATION

|   |                     |
|---|---------------------|
| Zr <sub>total</sub> + Hf <sub>total</sub> | min. 99%            |
| Hf  | approx. 0.035%      |
| H   | max. 0.035          |
| O   | max. 0.5            |
| N   | max. 0.035          |
| C   | max. 0.004          |
| Cr  | max. 0.01           |
| Cl  | max. 0.003          |
| Fe  | max. 0.03           |
| Ni  | max. 0.002          |
| Si  | max. 0.01           |
| Particle size (by sieving)                | min. 99.9 % < 180µm |
| Average particle size (Malvern)           | 32 ± 4µm            |