

Zirconium Metal powder, Grade N1



PRODUCT Zirconium Metal powder, Grade N1, Dry
 SPZR Type Product No. 11001
 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 _{total} + Hf _{total} | min. 99% |
| Hf | approx. 0.02% |
| H | max. 0.007 |
| O | max. 0.40 |
| N | max. 0.02 |
| Al | max. 0.003 |
| C | max. 0.004 |
| Ca | max. 0.065 |
| Cl | max. 0.003 |
| Fe | max. 0.03 |
| Mg | max. 0.002 |
| Ni | max. 0.002 |
| Si | max. 0.095 |
| Ti | max. 0.11 |
| Particle size (by sieving) | min. 99.9 % < 300µm |
| Average particle size (Malvern) | 60 ± 3 µm |