

# Zirconium Metal powder, Grade N3



**PRODUCT** Zirconium Metal powder, Grade N3, Dry  
 SPZR Type Product No. 11003  
 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. 0.02%
H	max. 0.005
O	max. 0.7
N	max. 0.04
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 % < 75µm
Average particle size (Malvern)	22 ± 3 µm