

Zirconium Metal powder, Grade DH1



PRODUCT Zirconium Metal powder, Grade DH1, Dry
 SPZR Type Product No. 11017
 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 98.0%
Hf	approx. 2%
Ignition gain	min 32.0%
Burning rate	460 +/- 75.0 s/50cm
Auto Ignition temperature	265 +/- 50 °C
Fe	max. 0.1%
Al	max. 0.1%
Ca	max. 0.05%
H	0.8 +/- 0.2%
Particle size (by sieving)	min. 99.9 % < 100µm
Average particle size (Malvern)	15 ± 3.0µm