

Zirconium Nickel Alloy powder, 70/30



PRODUCT

Zirconium Nickel Alloy powder, 70/30
SPZNA Type Product No. 30001
Zirconium powder
CAS No. 7440-67-7 EINECS-No. 231-176-9
Nickel powder
CAS No. 7440-02-0 EINECS-No. 231-111-4

APPEARANCE

Greyish-black powder

FORMULA

ZrNi

APPLICATION

Zirconium/Nickel alloy powders is used in various pyrotechnic and ordnance areas, Squibs,Target,delay mixtures and initiatorors.

SPECIFICATION

Auto Ignition temperature	>230 °C
Burning rate	1350 +/- 500 s/50cm
Particle size (by sieving)	min. 99.9 % < 45µm
Average particle size (Blaine)	4.0 ± 2.0 µm
Average particle size (Malvern)	10.0 ± 2.0 µm
Zr + Hf content	70 +/- 2%
Ni content	30 +/- 2%
(Zr + Hf) + Ni content	>98%
Fe	max. 0.10%
Al	max. 0.10%
Ca	max. 0.12%
S	max. 0.01%
Moisture	max. 0.2%