

Zirconium Hydride powder, Grade ZH-S



PRODUCT	Zirconium Hydride powder, Grade ZH2-S SPZH Type Product No. 11023 CAS-No. 7704-99-6 EINECS-No. 231-727-3
APPEARANCE	Greyish-Black
FORMULA	ZrH ₂
APPLICATION	Zirconium hydride in the industry for the fireworks, flux and ignition agent, used as a moderator in nuclear reactors, as a getter in vacuum tubes, and is also used in metal - ceramic sealing in.

SPECIFICATION

Zr + Hf	min. 95%
Hf	min. 0.02 - 2.50% (natural content)
Ignition gain	29.6 +/- 1.0%
Density	approx 1.4g/cm ³
Auto Ignition temperature	252 +/- 30 °C
Burning rate	810 +/- 70 s/50cm
H	min 1.5%
Fe	max. 0.1%
Al	max. 0.03%
Ni	max. 0.03%
Ca	max. 0.01%
Particle size (by Seiving)	min. 99.9 % < 36µm
Average particle size (Blaine)	2.5 +/- 0.5µm
Average particle size (Malvern)	D50 ≤ max. 6.5µm
	D90 ≤ max. 18µm
	D100 ≤ max. 36µm