

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 ZrH₂

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 |