

Zirconium Hydride powder, Grade ZH M2



PRODUCT Zirconium Hydride powder, Grade ZH M2
 SPZH Type Product No. 11026
 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. 97.6 +/- 0.5%
Hf	min. 0.02 - 2.50% (natural content)
Density (Bulk)	1,000 - 2,000 Kg/m ³
Ignition gain	31.8 +/- 0.7%
Auto Ignition temperature	200 - 310 °C
Burning rate	1300 +/- 600 s/50cm
H	min 1.9%
Fe	max. 0.08%
Al	max. 0.3%
Mg	max. 0.2%
Si	max. 0.5%
Ca	max. 0.15%
Particle size (by Seiving)	min. 99.9 % < 45µm
Average particle size (Blaine)	5.5 +/- 1.0µm
Average particle size (Malvern)	11.0 +/- 1.0µm