

# Zirconium Hydride powder, Grade ZH3



<b>PRODUCT</b>	Zirconium Hydride powder, Grade ZH3 SPZH Type                      Product No. 11020 CAS-No. 7704-99-6                      EINECS-No. 231-727-3
<b>APPEARANCE</b>	Greyish-Black
<b>FORMULA</b>	ZrH <sub>2</sub>
<b>APPLICATION</b>	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	29.3 +/- 1.0%
Density (Bulk)	approx 2.08 g/cm <sup>3</sup>
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 % < 120µm
Average particle size (Blaine)	9.0 +/- 3.0µm
Average particle size (Malvern)	18.0 +/- 3.0µm