

Magnesium stabilized zirconia Powder

With special production process, we can produce different Mg-YSZ powder by adjusting the content of MgO. Our Mg-YSZ powder can be divided into two types. One is white and the other is yellow and earth yellow, which are applied for different structural ceramics, anti-corrosion ceramics and Refractory ceramics.

		Y2WO1E		5Y2WOE	5Y0
ZrO2(+HfO2)	95.65	96.65	95.65	96.65	96.65
MgO (wt%)	32±0.2	3.2±0.2	32±0.2	3.2±0.2	3.2±0.2
A2O3XS	0.01	0.01	0.01	0.01	0.01
SO2%≤	0.01	0.01	0.01	0.01	0.01
Fe2O3%≤	0.01	0.01	0.01	0.01	0.01
CaOXs	0.02	0.02	0.02	0.02	0.02
其它otherss	1	0	1	0	0
IL(%≤)	3		3	3	3
密度Density (g/cm3)>	5.7	5.6	5.75	5.65	5.5
** * bending strength (Mpa)	550	500	650	600	450
耐腐蚀性Corrod resistance	度good	优excelent	良good	优excellert	良good
烧成后颜色Color afer sintering	白色white	灰白色 grey white	黄色yellow	黄色yellow	土黄色 earth yelow
HV (Mpa)>	1000		1200		
用途Application	结构陶瓷、机械零部件、拔丝器、耐腐蚀化工陶瓷、耐热陶瓷 Structural ceramics, mechanical parts, anti-corrosion chemical ceramics, refractory ceramic				