

Oxide Ceramics – Plasma Spray Powders

e.g. ZrO_2/Y_2O_3 92/8 HP spray dried

- High purity
- Very low x-ray content
- Color: white

Coating Properties

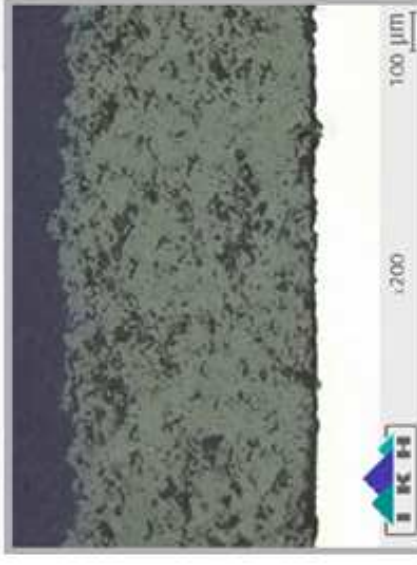
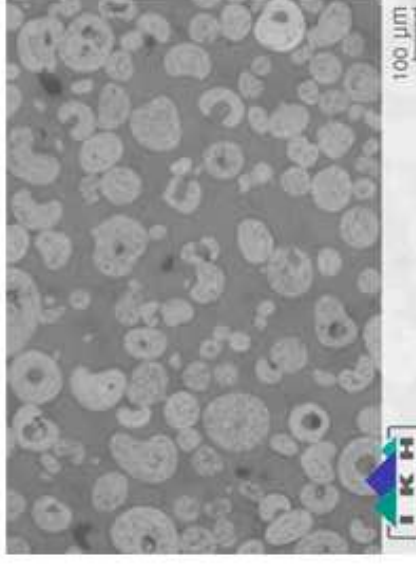
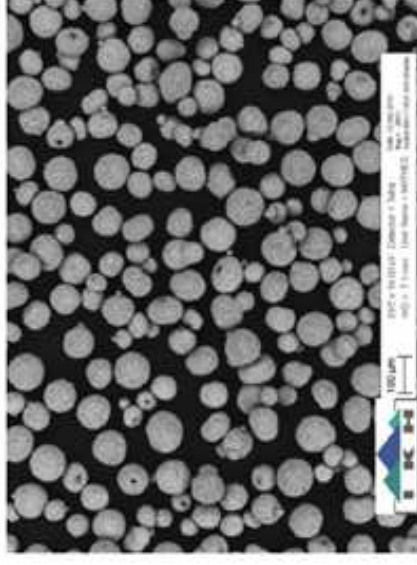
Bulk Density about 2,0 g/cc

Flowability 43 s/50g

Apparent Density about 1.9 g/cc

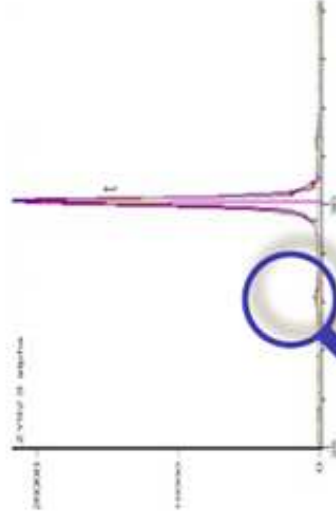
Monoclinic Content < 1%

Applicable up to 1.300 °C



Chemical composition		
Element	Soll (wt. %)	Ist (wt. %)
Al_2O_3	Max. 0.05	0.01
CaO	Max. 0.01	0.01
Fe_2O_3	Max. 0.10	0.01
HfO_2	Max. 2.00	1.50
MgO	Max. 0.01	0.01
SiO_2	Max. 0.03	0.01
TiO_2	Max. 0.01	0.01
TAO	Max. 0.30	<0.03
Y_2O_3	7.00 – 8.50	8.0
ZrO_2	Bal.	Bal.

Melt Consistency



Low Monoclinic
Content < 1%