

Z-702 ZrOx, 99.99% Highly Sintered Gray Granule: 3~10mm (substitute for ZrO2)

Melting Point	1900°C
Transmission Range	0.2~9 micron
Refractive Index	n=1.95 (500~550nm)
Density	4.90 g/cm ³
Evaporation Temperature	2400°C
Substrate Temperature	150~250°C
Rate of Condensation	10~20A ⁰ /sec
Recommended Source	Graphite crucible by electron beam gun

ZrOx is new metallized material. The normal ZrO2 is ceramic material. The difference between ZrO2 and ZrOx is raw material. We use metal powder as raw material and then reduced metal powder into ZrOx material. So the ZrOx material is metallized.

It has following advantage than standard ZrO2: refractive index more steady, melting better, less spitting and absorption. Ceramic ZrO2 is drilled holes by Electron beam gun and has a waste. The new ZrOx can improve this and also it can improve the plating process in unfavorable conditions that used ceramic ZrO2.

Application: Multi-layers A.R coating with lower index SiO2 and MgF2.

