

巨玻固能(苏州)薄膜材料有限公司 Jubo Guneng(SuZhou)Thin Film Materials Co., Ltd.

<b>Material材料名称:</b>	ZrO2 二氧化锆
<b>Article No.产品编码:</b>	BoSE-27-11
<b>Delivery Form产品规格:</b>	Ø18±0.5×11.95±0.25mm (14.5±0.5) g white
<b>Material Properties:</b>	Chemical Formula分子式: ZrO2
<b>材料特征:</b>	Purity纯度: ZrO2+HfO2>3N
	Typical Impurities杂质类型 [ppm]: Ca,Si <50, Fe,Mg,Ti,Al,Co,Cu<10
	Density-theoretical 理论密度: 5.6 g/cm3
	Melting Point熔点: ~2700 °C
	Density密度 (g/cm3) 4.2-4.8
<b>Test Parameters:</b>	Coating Equipment镀膜设备: ZZS 700
<b>测试参数:</b>	Evaporation Source蒸发源: Electron Beam Gun 电子枪
	Substrate Temp.基底温度: 200 °C
	Process Gas充气压力: 1-3 E-2 Pa
	Evaporation Rate蒸发速率: 0.2-0.5 nm/s
<b>Thin Film Properties:</b>	Chemical Composition化学成分: ZrO2
<b>薄膜参数:</b>	Refractive Index折射率: 2.1
<b>Remark</b>	Transparency Range透明区域: 350-7um
<b>备注:</b>	Melting Behaviors蒸发习性: Film densification, good at chemical stability. 成膜致密, 化学稳定性好。

**Material Certification声明:**

We certify, the material is in compliance with the specifications stated above.

我们证明, 该材料符合上述规范。

**Date 日期:** 2021-1-19  
**Certificate No.证书编号:** JBSE-Specification 079.27.11