

**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>	ZrO <sub>2</sub> /TiO <sub>2</sub> 氧化锆钛
<b>Article No.产品编码:</b>	BoSE-12-00
<b>Delivery Form产品规格:</b>	Ø10x4.5mm dia/th:±0.5mm w:~1g
<b>Material Properties:</b>	Chemical Formula分子式: ZrO <sub>2</sub> /TiO <sub>2</sub>
<b>材料特征:</b>	Purity纯度: 90:10
	Typical Impurities杂质类型 [ppm]: Fe<50 Si,Pb<10 Al,As,Na,Mg<5
	Density-theoretical 理论密度: 5.06 g/cm <sup>3</sup>
	Melting Point熔点: ~1850 °C
<b>Test Parameters:</b>	Coating Equipment镀膜设备: ZSS 700
<b>测试参数:</b>	Evaporation Source蒸发源: Electron Beam Gun电子枪
	Substrate Temp.基底温度: Ambient temperature室温 °C
	Process Gas充气压力: 1~3 x 10 <sup>-4</sup> mbar Oxygen
	Evaporation Rate蒸发速率: 0.2~0.5 nm/s
<b>Thin Film Properties:</b>	Chemical Composition化学成分: ZrO <sub>2</sub> / TiO <sub>2</sub>
<b>薄膜参数:</b>	Refractive Index折射率: 2.0~2.1 @550nm
<b>Remark</b>	Transparency Range透明区域: 390 nm ~ 7µm
<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 079.12.00