

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>         | ZnS 硫化锌                       |  |
| <b>Article No.产品编码:</b>      | BoSE-33-25                    |  |
| <b>Delivery Form产品规格:</b>    | ø10x6mm                       | >4N  |
| <b>Material Properties:</b>  | Chemical Formula分子式:          | ZnS  |
| <b>材料特征:</b>                 | Purity纯度:                     | 4N   |
|                              | Typical Impurities杂质类型 [ppm]: | Si<20,Fe <20,<br>Cr,K,Ni,Cu,Pb,Mn,Nb<10,<br>Hg,V,Co<5            |
|                              | Density-theoretical 理论密度:     | ~3.0 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/Mo Boat 电子枪/钼舟                                 |
|                              | Substrate Temp.基底温度:          | 室温 °C  |
|                              | Process Gas充气压力:              | 无  |
|                              | Evaporation Rate蒸发速率:         | ~1 nm/s  |
| <b>Thin Film Properties:</b> | Chemical Composition化学成分:     | ZnS  |
| <b>薄膜参数:</b>                 | Refractive Index折射率:          | 2.3 @550nm   |
| <b>Remark</b>                | Transparency Range透明区域:       | 440nm-15um   |
| <b>备注:</b>                   | Melting Behaviors蒸发习性:        | Film densification, good at chemical stability.<br>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 079.33.25