

创导材料技术性能 Material Technical Data Sheets

| Properties 技术性能 | | Units 单位 | 材料牌号 Trend's Materials | | | |
|--|--------------------------------|----------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| | | | ZLC | ZLJ | ZLM | ZLN |
| Features 产品特征 | | | 通体单层 Single body | 复合内层 Composite, inner lining | 复合外层 Composite, outer lining | 复合外层 Composite, outer lining |
| Compositional 物质组成 | | | | | | |
| Mineralogy 矿物组成 | | | Cordierite Spinel 堇青石 尖晶石 | Corundum Spinel 刚玉 尖晶石 | Cordierite Mullite 堇青石 莫来石 | Cordierite Mullite 堇青石 莫来石 |
| Chemical composition 化学成分 | Al ₂ O ₃ | % | 62.5 | 67.5 | 66.0 | 45.0 |
| | SiO ₂ | % | 21.0 | 4.5 | 30.0 | 50.0 |
| | MgO | % | 15.5 | 17.0 | 3.0 | 4.0 |
| Mechanical 机械性能 | | | | | | |
| Bulk density 体积密度 | | g/cm ³ | 2.2 | N/A | 2.4 | 2.1 |
| Apparent porosity 显气孔率 | | % | 27.5 | N/A | 23.5 | 28.0 |
| Bending strength @RT 常温抗折强度 | | Mpa | 9.5 | N/A | 12.3 | 11.5 |
| Thermal 热学性能 | | | | | | |
| C.T.E.@ 25°C-1000°C 25°C-1000°C膨胀系数 | | 10 ⁻⁶ K ⁻¹ | 3.95 | N/A | 4.79 | 2.48 |
| Thermal shock resistance 热震稳定性 | | ★ | ★★★★★ | ★★ | ★★★★ | ★★★★★ |
| Max working temperature 最高工作温度 | | °C | 1320 | 1320 | 1320 | 1320 |

Note: Data of properties listed above are typical results from test pieces and therefore should be used only as guidance.
备注：上述技术数据为所测试样的平均值，仅供选择牌号时参考，此数据不能看作是技术保证数据。创导公司保留不断改进性能而不事先通知客户的权利。