

## SPECIFICATION

### Boron Oxide

| Parameters        | Specification                                                        |
|-------------------|----------------------------------------------------------------------|
| CAS Number        | 1303-86-2                                                            |
| Appearance        | White powder                                                         |
| Molecular Formula | B <sub>2</sub> O <sub>3</sub>                                        |
| Molecular Weight  | 69.62 g/mol                                                          |
| Boiling Point     | 1860 °C                                                              |
| Melting Point     | 450 °C                                                               |
| Flash Point       | 1000 °C                                                              |
| Purity            | 99-99.5%                                                             |
| Refractive Index  | 1.6                                                                  |
| Solubility        | Insoluble in water; soluble in acids                                 |
| Uses              | Glass and ceramic production; filler in glazes; refractory materials |

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