

Technical Specifications of Liquid Oxygen



| Technical Specification | Value / Description |
|---------------------------------------|--|
| Chemical Formula | LOX |
| Physical State | Liquid (at extremely low temperature) |
| Color | Light blue liquid |
| Odor | Odorless |
| Boiling Point | -183 °C |
| Melting Point | -218.8 °C |
| Density (at boiling point) | Approx. 1.14 g/cm³ |
| Vapor Pressure at Ambient Temperature | Variable, must be stored in special containers |
| Purity | Typically 99.5% or higher |
| Flammability | Non-flammable, but a very strong oxidizer in combustion engines |
| Main Applications | Medical (respiration), aerospace industry, welding, laboratories |