

2" (50.8mm) Polished Silicon Wafer



FEATURES

- Premium Quality: Brand new, virgin silicon wafers, never used or reused.
- Epi-Ready Surface: Prime grade silicon wafers with premium epi-ready surfaces.
- Monocrystalline Material: Made from prime grade monocrystalline silicon.
- Exceed Industry Standards: Surpass SEMI standard specifications and industry standards.
- Versatile Applications: Ideal for semiconductor manufacturing, R&D, educational purposes, and more.
- Trusted by Industry Leaders: Extensively used by leading semiconductor fabs, R&D centers, and universities worldwide.
- Quality Control and Inspection: Comprehensive inspection and testing of every wafer.
- Secure Packaging: Packaged in ultra-clean PP cassettes and double-bagged in antistatic bags under class 100 cleanroom conditions.
- Competitive Pricing: Attractive pricing with quantity discounts available.
- Certificate of Conformance: Included with each order, detailing the exact specifications of the wafers.

SPECIFICATIONS

Key Specifications	
Specification	Value
Diameter	50.8mm±0.2mm
Growth Method	Czochralski (CZ)
BOW	≤30μm
WARP	≤30μm
Total Thickness Variation (TTV)	≤5μm
Particles	≤10@≥0.3μm
Oxygen Concentration	≤18 ppma
Carbon Concentration	≤1 ppma
Surface Roughness Ra	≤5Å

2" (50.8mm) Polished Silicon Wafer

Major Applications:

Our 2" silicon wafers are versatile and suitable for a wide array of applications, including but not limited to:

1. Microchip production and integrated circuit fabrication
2. MEMS and microelectromechanical systems
3. Semiconductor and sensor manufacturing
4. LED lighting and laser diode creation
5. Solar/photovoltaic cells and wafers
6. Optical equipment components
7. R&D prototyping and testing

