

SILICON WAFER

Platinum Coated

NS6130-10-1152

Quick Facts

Product	:	Silicon Wafer Platinum Coated
Stock No	:	NS6130-10-1152
CAS	:	7440-21-3
Structure	:	Pt/TaOx on SiO ₂ /Si wafer (4 inch)
Film	:	Pt/TaOx (Platinum on Tantalum Oxide)

Technical Specification

Orientation of Film	Thickness of PT Film	Thickness of TaOx Film
(111)	200nm (Sputtering method)	40nm (Sputtering method)

Platinum-coated silicon wafers are in the field of biosensors. Biosensors are devices that detect and measure biological substances, such as glucose or cholesterol, in a patient's blood or other bodily fluids. Platinum-coated silicon wafers are used as the base for the biosensor, with the platinum acting as a catalyst to facilitate the chemical reaction between the biological substance and the sensor. Platinum-coated silicon wafers are also used in the production of microelectromechanical systems (MEMS). MEMS are tiny mechanical devices that are integrated with electronic components to perform various functions, such as sensing, actuation, and control.



* This image is for graphic purposes only and does not represent the actual product.

