



SEMICONDUCTOR MANUFACTURING

Quality and Collaborative Support for Semiconductor Manufacturers

Avantor offers a portfolio of production-proven materials, including customizable chemistry platforms and world-class applications centers designed to help you meet your process improvement goals faster, enhance product quality and speed-up your ramp time to the next node.

J.T.Baker® brand advanced proprietary surface treatment materials are known worldwide for consistency in FEOL through BEOL applications and are engineered for current and emerging technology nodes.



NuSil™ brand silicones support various packaging, including thermally and electrically conductive silicones for Thermal Interface Materials (TIM) or for EMI and RFI shielding applications



World-Class Quality Systems

- Novel formulations for fabrication of advanced electronic components
- Comprehensive, systemized approach to product quality driven by world-class quality systems; our capabilities allow for quality control at the ppt / nano-scale level
- Advanced formulation technology for sub 12nm

The Avantor Difference



Avantor's quality control culture includes:

- ISO Certification (all Avantor manufacturing facilities are ISO 9001:2008 certified)
- Management of Change (MOC) program
- Global Electronic Quality System
- Safety and Compliance
- Ship To Control
- Business Continuity Planning

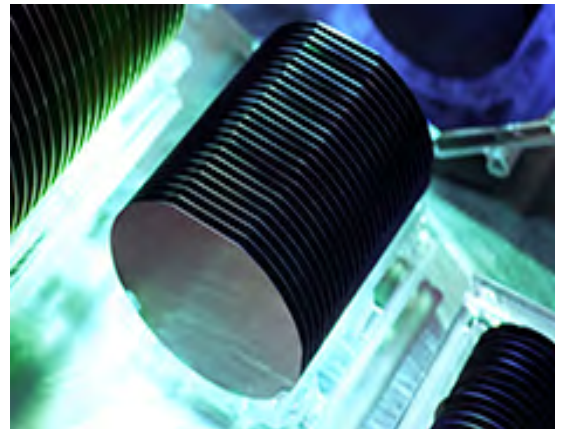
Expert R&D and applications support help you meet changing demands and new requirements.

- Unique industry expertise
- Global supply chain and technology development centers located in key electronics manufacturing areas
- U.S. and Taiwan Technology Centers are models for improved collaboration
- Collaborative development of materials solutions for next-generation nodes and new integration schemes; we are focused on working with you to solve roadmap issues earlier and to speed your ramp to fully profitable yield
- Our direct sales model and close customer proximity means that you will work with Avantor experts along every step of your process



Broad offering of innovative solutions for both current and advanced technology nodes

- Advanced Copper Process Chemicals
- Aluminum Process Chemicals
- Material Etching/Cleaning
- Photoresist Strippers
- Post Etch Residue Removers
- Surface Preparation
- Silicones for electronic packaging



Contact us today for
more information.



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