



High-Performance Plastics for Semiconductor Manufacturing

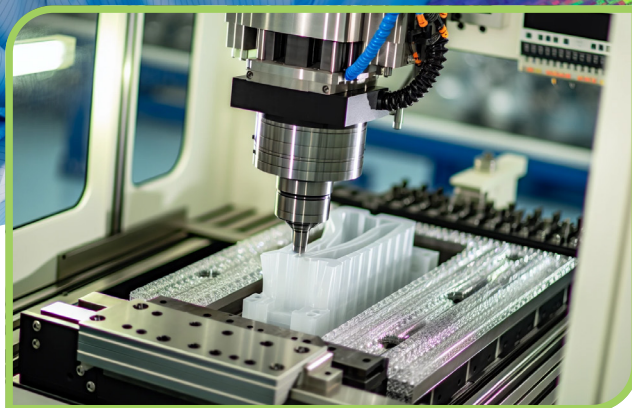
High-purity materials, cleanroom-ready components, and precision machining – from prototype to production.

APPLICATIONS & MARKETS

- Wet benches & process tools
- Chemical delivery & fluid handling
- High-purity water systems
- Wafer handling fixtures
- Cleanroom panels & guards

MATERIALS & CAPABILITIES

- High-purity fluoropolymers: PTFE, PFA, FEP
- PVDF, ECTFE, ETFE, PCTFE options
- FM 4910 materials for cleanroom equipment
- CNC machined plastic parts (prototype –production)
- Corrosion/chemical resistant material selection



ONE STOP SHOPPING

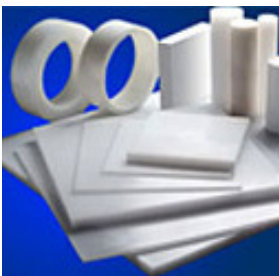
for the Semiconductor Industry

- Stock shapes: sheets, rods, tubes, films
- Cut-to-size components & machined parts
- Material selection guidance + technical support
- Inventory programs & repeat-order consistency
- Documentation support (as required)



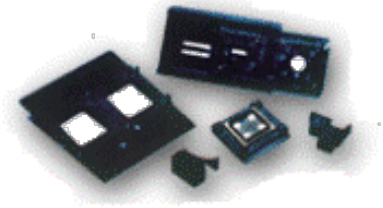
modernplastics.com

88 Long Hill Cross Road, Shelton, Connecticut 06484, USA | (203) 333-4625 fax | (203) 333-3128 office | sales@modernplastics.com



Semiconductor Materials at Modern Plastics	Key Strength	Typical Uses
PTFE	Chemical resistant	Seals, insulators, wet process
PFA	High Purity, Chemical Resistant	Tubing, liners, fluid handling
FEP	High Purity	Tubing, films, fluid handling
PVDF (KYNAR®)	Corrosion Resistant, High Purity	Piping, valves, wet benches
ECTFE (HALAR®)	Chemical Resistant	Process equipment, ducting
PCTFE	High Purity Performance	Gas Handling Components
ETFE	Clean, Chemical Resistant	Specialty fluid/gas handling
FM 4910 FR MATERIALS	Cleanroom Fire-Safety	Cleanroom equipment panels

**Additional Plastics Available to Meet All Your Needs*



Why Modern Plastics?

Modern Plastics supports semiconductor manufacturers with high-purity stock shapes, cleanroom-ready materials, and precision machining—helping reduce lead times while maintaining consistency from prototype through production.

MATERIAL ATTRIBUTES FOR SEMICONDUCTOR

- High chemical resistance for aggressive wet processes
- High-purity options for contamination-sensitive applications
- Dimensional stability for precision machined parts
- Temperature performance for demanding environments
- Cleanroom-ready and compliance-driven material options
- Wear resistance / low friction where needed

Contact

Modern Plastics for more information at **203.333.3128** or e-mail at sales@modernplastics.com