

Most Complete Line of Thermoplastic Sheet for the Semiconductor Industry



Semicon material range includes:

- PFA, PFA-M, ECTFE, PVDF
- CRP-1, SIMONA® 2000, PVC-GLAS
- FRP-3, PP-H

Material benefits:

- Resists wet process acids, bases, solvents and oxidizers
- Withstands temperatures from 140 to 500°F (60 to 260°C)
- Including grades that meet FM 4910 and UL 94 V-0 flame test criteria

Plus rod and welding rod:

- Weld rod available in same resin grades as FM 4910 sheet products
- PVDF and PP rod diameters available up to 500 mm
- PVC rod available up to 200 mm

Proven in all wet process applications:

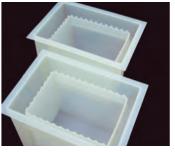
- Process tanks, vessels and components
- DI water systems
- Cabinetry and view windows
- Fume hoods, ducting
- FOEL / BEOL
- Automated and semi-automated parts cleaners
- Chemical cabinets/chemical carts



Satisfy Semiconductor Process Applications Without Compromise

Fluoropolymer sheet for severe process environments in tanks, vessels and machined parts





SIMONA® PVDF, ECTFE, PFA-M and PFA fluoropolymer sheet materials provide resistance to all process chemistries up to 500°F (260°C). Their uniform high gloss surface repels process contaminants, and they afford consistency in fabrication.

Exceptional impact resistance and aesthetics for cleanroom cabinetry and enclosures





For a higher level of impact resistance plus high quality appearance, SIMONA developed two unique FM 4910 listed materials: SIMONA PVC Type I CRP-1, and FRP-3 polypropylene. SIMONA clear tinted CPVC also affords exceptional optical quality for view windows. White CPVC and standard impact PVC Type I VS-1 complete this versatile FM 4910 product range.

Rod diameters to 19 inch (500 mm) open new applications for machined components





SIMONA offers PVDF and polypropylene homopolymer rod up to an unprecedented 19.7 in. (500 mm) in diameter. This exceptional size range opens new applications for larger machined components in semiconductor manufacturing equipment. SIMONA flame-rated rod products also include PVC Type I in diameters up to 8 inches (200 mm).

Weld rod made from sheet resins, plus hybrid rod for PVDF-to-PVC welds

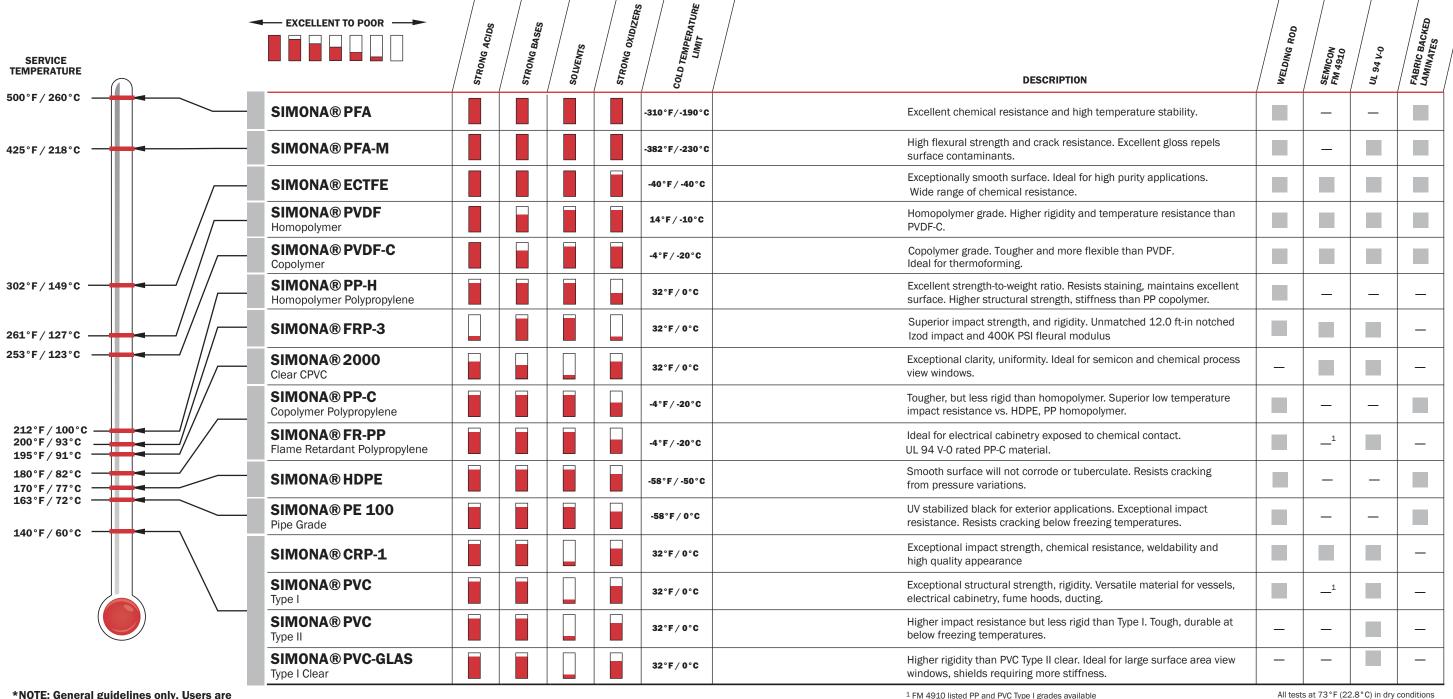




For weld integrity, weld rod made from the same resin grade is available and used to produce each of its sheet products for the semiconductor industry. In addition, a proprietary SIMONA hybrid weld rod allows welding of PVC Type I CRP-1 to PVDF.

Select from the Industry's Widest Range of Corrosion-Resistant Sheet and Rod

covering all chemical groups and service temperatures



advised to test for suitability relative to specific application conditions.





Depending on material, sheet products are offered in gauges to 4 in. (100 mm) and solid rod in diameters to 31 in. (800 mm) with popular sizes in stock for rapid shipment.

All tests at 73°F (22.8°C) in dry conditions

Choose the best balance of cost and performance for your application:

- For exceptional chemical resistance at high service temperatures specify: SIMONA Fluoropolymers
- For economical all-around performance specify: SIMONA HDPE and PP
- For structural strength and UL 94 V-0 fire ratings specify: SIMONA PVC Type I, PVC Type II and CPVC

All sheet and rod products are backed by SIMONA's technical application and fabrication support-unequalled in the industry.

For sheet and rod samples, technical support, pricing and delivery, contact customer service.

Typical Applications



SIMONA® PVC CRP-1: enclosure SIMONA® CPVC: clear windows



SIMONA® PVDF: Process tanks, components



SIMONA® PVDF, E-CTFE: Process tanks, components



SIMONA® PP FRP-3: Cabinet enclosure



SIMONA® PFA-M: Etch tank



SIMONA® CRP-1: Valve box SIMONA® Clear CPVC: Door



SIMONA® PFA-M: Machined process components



SIMONA® PVDF: Chemical mixing unit



SIMONA® PFA-M: Process tanks



SIMONA® PFA-M-AK: Process tanks made by Plasticon



SIMONA® PVDF and SIMONA® PP-H AlphaPlus®: Chemical supply system



SIMONA® PVC-GLAS and SIMONA® PP-H White: Manual wet bench



SIMONA AMERICA Industries

101 Power Boulevard Archbald, PA 18403 USA

Phone +1 866 501 2992
Fax +1 570 521 0108
sai-sales@simona-group.com
www.simona-america.com

SIMONA Boltaron

1 General Street Newcomerstown, OH 43832 USA

Phone +1 740 498 5900
Fax +1 740 498 8140
info-boltaron@simona-group.com
www.simona-boltaron.com

SIMONA AG

Teichweg 16 55606 Kirn Germany

Phone +49 (0) 67 52 14-0 Fax +49 (0) 67 52 14-211 mail@simona-group.com www.simona.de

