SIMONA AMERICA INDUSTRIES

SIMONA® PVC Type I CRP-1

Exceptional impact strength in an FM 4910 listed material compared to PVC-C and other PVC Type I sheet. High quality appearance enhances cleanroom aesthetics.

Extruded from a proprietary formulation, SIMONA® CRP-1 sheet provides higher impact strength and improved weldabilty over PVC-C and other semicon grade PVCs. FM 4910 listed, it also resists typical wet bench cabinetry operating temperatures. Its uniform white color and surface gloss also affords exceptional cleanroom aesthetics compared to PVC-C materials.

In side-by-side production welding trials, SIMONA CRP-1 has proven to weld faster and easier than PVC-C and other FM 4910 listed PVC grades. For weld integrity and compatibility, SIMONA offers weld rod made from the same resin grade used in the production of each of its FM 4910 sheet products, including CRP-1.

SIMONA also offers a proprietary hybrid weld rod that allows welding of CRP-1 to PVDF sheet and components.

From PVC and polypropylene to PVDF, E-CTFE and PFA fluoropolymers, SIMONA offers the most complete range of sheet products for semicon and other chemical processing environments from 160°F to over 425°F (70° to 218°C).

Advantages

- High impact strength; rigidity
- Meets FM 4910 and UL 94 V-0
- Uniform gloss, color consistency
- Resists strong acids & alkalines;
- UPW contact
  - — not recommended for solvents
- Improves welding productivity

  Welds to PVDF with proprietary JSR hybrid welding rod

Applications

- Wet process tool cabinetry
- Chemical distribution equipment & valve boxes
- Semicon process enclosures
- Cleanroom cabinetry
- Rinse modules
- Wafer transfer interfaces
- Dry tool enclosures
- Electrical cabinets

Configurations

- Sheet sizes
  - — 48 x 96 in. (1,220 x 2,440 mm)
- Gauges
  - — Extruded 0.125 to 1.0 in. (3.17 to 25.4 mm)
  - — Press laminated 1.5, 2.0 in. (38.0, 50.8 mm)
- Custom sizes on request
- Colors
  - — White, high gloss surface
- Weld rod: CRP-1 and hybrid weld rod
  - — Round rod 0.118, 0.156 in. (3.0, 4.0 mm)
  - — Some triangular configurations

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