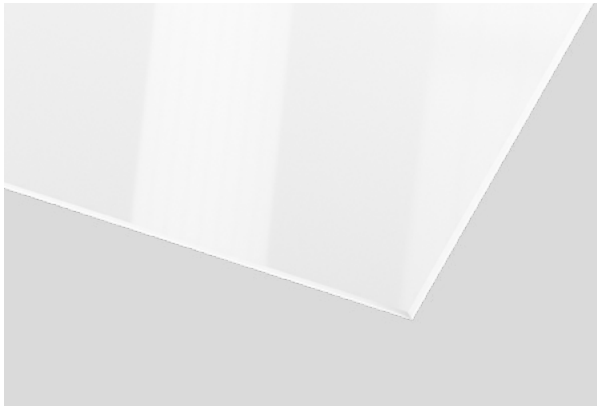




Semitron[®] Homopolymer PP





Polypropylene created specifically for the Semiconductor & Electronics industry

Competitive advantage

Semitron® PP is polypropylene plate developed specifically for demanding Wet Process Semiconductor applications that require a high level of dimensional stability.

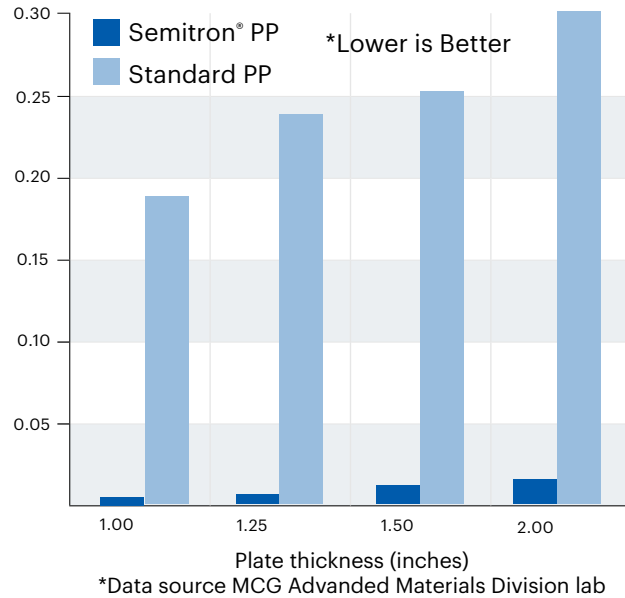
Key benefits

- Minimizes center line porosity common with thicker plates (2" & up)
 - Delivers ultra-clean plates to minimize risk of surface contaminants
 - Lowers overall cost by delivering lower stress plates
-

Minimal center line porosity

- Mitsubishi Chemical Advanced Materials developed proprietary processing methods to minimize the high stress & center line porosity that is common with standard polypropylene
- The plates, ranging from 2" to 5" thickness are manufactured to the highest standards for use in the Semiconductor Wet Process industry

Material comparison



Semitron® PP (machined plate)



Standard PP (machined plate)



Semitron® Homopolymer Polypropylene PP Natural shapes have been developed specifically for demanding wet process semiconductor and electronics applications that require a high level of superior dimensional stability. In addition to these key benefits, this grade in particular offers low internal stress properties, improved machinability and weldability, excellent chemical and corrosion resistance, and minimal center line porosity. All in all, Semitron® Homopolymer PP components accelerate fabrication cycles by reducing or eliminating the need to anneal, and are often a favored solution for wafer motion gears, spin disks, wafer grabbers, pins, and screw applications.

[Download datasheet](#)

Semitron® PP vs standard PP

Lower internal stress allows for accelerated fabrication cycles through faster speeds and feeds, as well as reducing or eliminating the need to anneal.

Get in touch

Contact.

contact.mcam@mccg.com

Visit.

www.mcam.com/en/contact

Europe

Mitsubishi Chemical
Advanced Materials NV
Galgenveldstraat 12
8700 Tielt,
Belgium

Tel: +32 51 42 35 11

www.mcam.com

North America

Mitsubishi Chemical
Advanced Materials Inc.
2120 Fairmont Avenue
PO Box 14235 — Reading,
PA 19612-4235

Tel: +1 610 320 6600

Asia-Pacific

Mitsubishi Chemical
Advanced Materials Asia Pacific Ltd.
Unit 7B, 35/F, Cable TV Tower,
9 Hoi Shing Road,
Tsuen Wan, Hong Kong

Tel: +852 2470 26 83

All statements, technical information, recommendations, and advice are for informational purposes only and are not intended and should not be construed as a warranty of any type or term of sale. The reader, however, is cautioned that Mitsubishi Chemical Advanced Materials

does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to test and assess the suitability of the products of Mitsubishi Chemical Advanced Materials in any given application or for use in a finished device.

Semitron® is a registered trademark of Mitsubishi Chemical Advanced Materials.

Design and content created by Mitsubishi Chemical Advanced Materials and protected by copyright law. Copyright © 2023 by Mitsubishi Chemical Advanced Materials. All rights reserved.