

# THE PURE CHOICE™



ASAHI GLASS  
ELECTRONIC MATERIALS

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## ROHM AND HAAS ADVANCED MATERIALS & ASAHI GLASS ELECTRONIC MATERIALS

### IMAGINE THE COLLABORATION POSSIBILITIES

**ROHM AND HAAS ADVANCED MATERIALS & ASAHI GLASS ELECTRONIC MATERIALS** have become partners in their shared goal to develop and manufacture next-generation silicon carbide material innovations and solutions for high-temperature semiconductor processes.

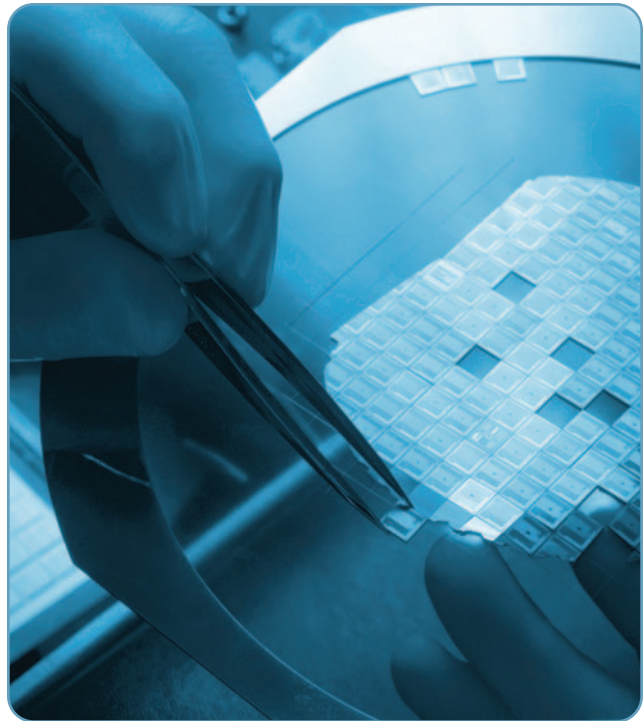
The partnership between two great companies with excellent product lines, state-of-the-art machining capabilities, extensive global sales network and support infrastructure, is an exciting development in the advancement of the global electronics industry.

#### **ROHM AND HAAS ADVANCED MATERIALS**

Rohm and Haas Advanced Materials is a division of Rohm and Haas Company, a worldwide producer of specialty materials with more than 100 plants and research facilities in 27 countries. Its chemistry is found around the world in thousands of everyday products.

Rohm and Haas Advanced Materials is a global technology leader in the manufacture of high purity solid CVD silicon carbide for use in semiconductor wafer processes such as high temperature thermal processing, MOCVD, LPCVD, CVD and Plasma Etch.

With over 20 years of innovative CVD SiC manufacturing experience, extensive data and long-term performance results, Rohm and Haas Advanced Solutions is positioned globally as a leader in CVD silicon carbide materials that yield unmatched purity levels.

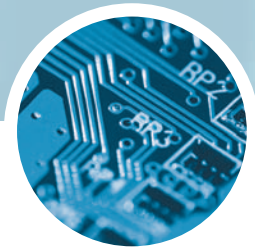


#### **ASAHI GLASS ELECTRONIC MATERIALS**

Asahi Glass Electronic Materials is a division of AFG Industries, Inc. and an Asahi Glass Company. The company is a leading global supplier of high-purity ceramic and glass materials to the semiconductor, electronic and biomedical industries.

The company's products include high-purity silicon carbide ceramics used in the processing of semiconductor devices; synthetic quartz materials used for photolithography stepper lenses, photomasks, MEMS substrates & opto-electronic applications; CMP slurries for high-precision planarization; glass frits and pastes for electronic packaging and components.

Asahi Glass Electronic Materials is a market leader in 300mm wafer carriers. Their CVD-coated silicon carbide is running in major fabs throughout the United States and Europe, with Asahi Glass in Japan maintaining a leading market share in Asia."



## **THE PERFECT PARTNERSHIP FOR ADVANCED ELECTRONIC MATERIALS SOLUTIONS**

As innovators and global leaders of electronic materials solutions, Rohm and Haas Advanced Materials and Asahi Glass Electronic Materials are experts in maximizing CVD Silicon Carbide™ performance for a range of applications.

Building from their rich heritage using cutting-edge technologies and the innovative products from each company, the two leaders have collaborated to create a dynamic new solution that will benefit electronic materials customers worldwide.

We call this remarkable shared solution

## **THE PURE CHOICE™**

### **THE PURE CHOICE™ SOLUTION**

THE PURE CHOICE™ is a cost-effective next-generation material improvement for extremely high-temperature semiconductor processes with minimal defect possibilities.

THE PURE CHOICE™ solution combines 99% pure CVD-Coated Silicon Carbide (from Asahi Glass Electronic Materials) with 99.99995% pure Solid Monolithic CVD Silicon Carbide™ and aggressive cleaning techniques (from Rohm and Haas Electronic Materials) to deliver ultra-pure out-of-the-bag clean materials that meet ITRS roadmap standards.

This solution significantly reduces process impurities at high temperatures, allowing for only insignificant levels of trace impurities. Plus, THE PURE CHOICE™ aggressive cleaning techniques have little to no impact on bulk materials, resulting in lower particle generation and longer life for chamber components.

THE PURE CHOICE™ solution is available for 200mm and 300mm applications. The collaboration of each

company's in-house engineering and design teams can customize a wide range of shapes and sizes to each customer's unique and exacting specifications, ensuring optimal performance improvements for a range of demanding applications.

### **PARTNERS IN PROGRESS**

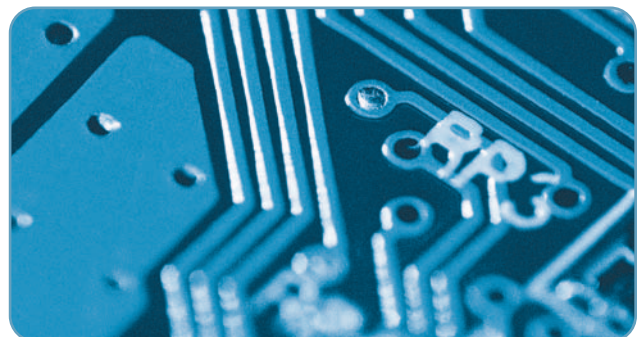
With a doubly strong global customer service and support network, we are your preferred supplier of innovative next generation materials and solutions for high-temperature applications.

You can rely on the innovate partnership of Rohm and Haas Advanced Materials and Asahi Glass Electronic Materials in their shared goal to create and develop the technologies and solutions you need to imagine your electronic materials possibilities.

## **THE PURE CHOICE™ IS THE RIGHT CHOICE IN ELECTRONIC MATERIALS SOLUTIONS FOR YOUR BUSINESS.**

**ROHM AND HAAS ADVANCED MATERIALS & ASAHI GLASS ELECTRONIC MATERIALS**

imagine the possibilities™





**ROHM AND HAAS COMPANY**

100 Independence Mall West  
Philadelphia, PA 19106-2399  
USA

[www.rohmhaas.com](http://www.rohmhaas.com)

**ROHM AND HAAS ADVANCED MATERIALS**

185 New Boston Street  
Woburn, MA 01801  
USA

[www.cvdmaterials.com](http://www.cvdmaterials.com)

**ASAHI GLASS ELECTRONIC MATERIALS**

4375 NW 235 Avenue  
Hillsboro, OR 97124  
USA

[www.agc.co.jp](http://www.agc.co.jp)

**ASAHI GLASS COMPANY**

1-12-1, Yurakucho, Chiyoda-ku  
Tokyo 100-8405  
JAPAN

[www.agem-usa.com](http://www.agem-usa.com)