

# Performance Materials for the Aerospace Industry



**AGC**

Your Dreams, Our Challenge



**Fluon®**  
choice materials  
for lightweight,  
high voltage cable

**Fluon+™ FPC**  
Filled PTFE Compounds  
seals and components

**AFLAS®**  
FLUOROELASTOMERS  
FFKM SERIES

perfluoroelastomers for high  
temperature gaskets and seals

**Fluon® PTFE**  
wire insulation wrapping

**Fluon+™ MPC**  
Melt Processable Compounds  
wire insulation compounds

**Fluon® ETFE FILM**  
release film  
for composite manufacturing

Powering the Aerospace Industry  
with AGC's Advanced Technologies



# Performance Materials for the Aerospace Industry



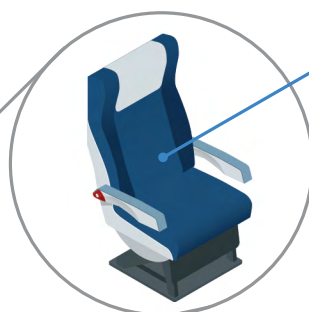
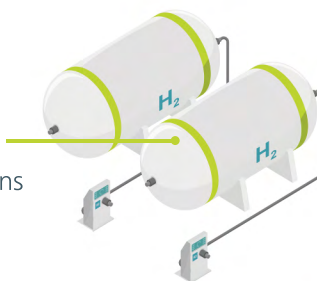
Chemistry  
for a Blue Planet  
AGC Chemicals

Solutions for Today, Solving Tomorrow's Missions



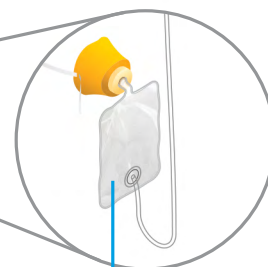
**FORBLUE™**

membranes and dispersions  
for hydrogen production



**FibraLAST®**

oil, stain and water  
repellents for textiles  
and nonwovens



resins for durable topcoats  
that offer protection from  
UV rays and chemicals

**ASAHIKLIN**

**AMOLEA**

precision cleaning solvents  
for critical components

# AGC Solutions to Power the Future of Aerospace Innovation

Many of AGC's performance materials enhance the quality and durability of components used in the aerospace industry.

These materials enable:

- Longer lasting paint systems
- More durable airframe wire
- Strong and flexible high voltage cable
- Reliable bearings
- High-performance seals

 **Fluon**® PTFE

 **Fluon**® ETFE

 **Fluon**® ETFE FILM

 **Fluon**™+ FPC  
Filled PTFE Compounds

 **Fluon**™+ MPC  
Melt Processable Compounds

  
**AFLAS**®  
FLUOROELASTOMERS  
FFKM SERIES

  
**LUMIFLON**®  
FEVE RESIN

**ASAHIKLIN**

 **MOLEA**

 **FORBLUE**™

 **FibraLAST**®





## Materials for Critical Aerospace Applications

### Electrical Insulation

- **Fluon+™ Melt Processable Compounds (MPC)** cross-linked ETFE extend the properties of chemical resistance, toughness and lubricity.
- **Fluon® PTFE** is employed as an insulating material in tape-wrapped (TKT) wire applications.

### Precision Cleaning Materials

- **AsahiKlin™** fluorosolvents enable metal components used in aerospace applications to be precision cleaned.
- **AMOLEA™ AS-300** and **AS-300AT** HCFO solvents are used in aircraft cleaning processes for a wide range of components, including oxygen tubing, landing gear, and other critical parts, ensuring effective contaminant removal and maintaining overall system integrity.

### Seals and Gaskets

- **AFLAS®** fluoroelastomers and **Fluon+™ Filled PTFE Compounds (FPC)** play a vital role in the performance and reliability of critical seals and components across demanding aerospace applications. These include landing gear and flight control systems to engines, brakes, fuel and hydraulic utility systems.

### Composite Production

- **Fluon® ETFE FILM** is a high-performance mold release film used in the production of aerospace composite parts. It provides excellent release properties, along with strong chemical resistance and thermal stability, making it ideal for high-temperature composite processing.

### Advanced Coatings

- **FibraLAST®** coatings provide fluorine-free resistance to oil and water for use in textiles, nonwovens, and filtration applications.
- **LUMIFLON® FEVE Resins** used in topcoats are ultra-weatherable and maintain their excellent appearance on aircraft and other aerospace vehicles.

### Membranes and Dispersions

- **FORBLUE™ S-SERIES, sunsep, and SELEMION** are ion exchange membranes for hydrogen production and processing
- **i-SERIES** electrolyte polymer dispersion for electrolyte membranes and fuel cell electrodes.



For more information, please visit us at [agcchem.com/aerospace](http://agcchem.com/aerospace)

**AGC**



**AGC Chemicals Company  
AGC Inc.**

Shin-Marunouchi Bldg.  
1-5-1 Marunouchi  
Chiyoda-ku, Tokyo  
100-8405 Japan  
Tel: +81-3-3218-5438  
www.agc-chemicals.com

**AGC Asia Pacific Pte., Ltd.**

460 Alexandra Road  
#32-01 mTower  
Singapore 119963  
Tel: +65 6273 5656  
www.agc-asiapacific.com

**AGC Chemicals Trading  
(Shanghai) Co., Ltd.**

Room 4008/09, F40, T1  
Raffles City Changning  
No.1133 Changning Road  
Shanghai, China 200051  
Tel: +86-21-6386-2211  
www.agcsh.com

**AGC Chemicals Europe, Ltd.**

Hillhouse International  
Fleetwood Road North  
Thornton-Cleveleys  
FY5 4QD  
United Kingdom  
Tel: +44 (0) 1253 209560  
www.agcce.com

**AGC Chemicals Europe, Ltd.  
Commercial Centre**

World Trade Center, Zuidplein 80  
1077 XV Amsterdam, Netherlands  
Tel: +31-(0)-20-880-41-70  
www.agcce.com

**AGC Chemicals  
(Thailand) Co., Ltd.**

944 Mitrtown Office Tower, 14th Floor  
Rama 4 Road, Wangmai Sub-District  
Pathumwan District, Bangkok 10330  
Thailand  
Tel: +66-2-092-6499  
www.acth.co.th

**AGC Vidros do Brasil Ltda.**

Estrada Municipal Doutor Jaime  
Eduardo Ribeiro Pereira, 500  
Jardim Vista Alegre  
Guaratinguetá, SP, Brasil  
CEP 12523-671  
Tel: +55 12 3127-7100  
www.agcchem.com/pt-br/



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# AGC

**AGC Chemicals Americas, Inc.**

55 E. Uwchlan Avenue, Suite 201  
Exton, PA 19341  
United States of America

Telephone: +1 610-423-4300  
Toll Free (US only): 800-424-7833  
Fax: +1 610-423-4305

**www.agcchem.com**

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