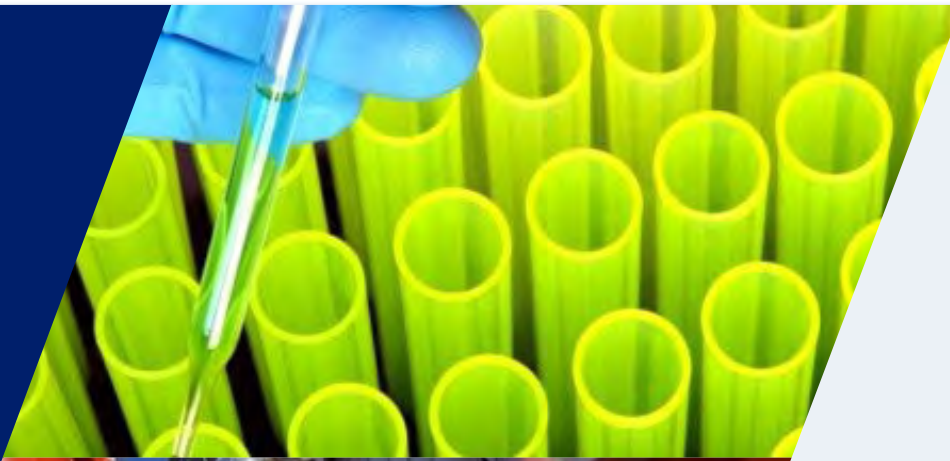




AGC Chemicals Americas, Inc.

Your Global Source for Fluorochemicals

Your Dreams, Our Challenge



Our Mission

We're committed to supplying our customers high-performance material solutions through our motivated employees, innovative technologies and responsiveness.

Your Dreams, Our Challenge



AGC Global Operations

A blue silhouette of a world map is centered in the background of the slide.

**A world-leading
fluorochemical
manufacturer**

**US \$14.2 billion
net sales**

**56,000
employees**

**206 consolidated
subsidiaries in 30
countries**

Your Dreams, Our Challenge

AGC Global Operations



Smart Chemistry Solutions

- U.S. headquarters & manufacturing near Philadelphia
- Certified ISO 9001:2015 and 14001:2015.
- Custom compounds and formulations for high-quality fluorochemicals and specialty chemicals
- Short production lead times, system-controlled specifications, product consistency.
- Onsite physical, analytical and wear testing
- Compression and injection molding equipment to optimize product




Glass Products

- Low-E for insulated glass
- Heat-treated for safety glass
- Laminated and pattern glass
- Mirrors
- Solar glass - cover plate/anti-reflective
- Polycarbonate resin sheets (rail tracks)
- Automotive laminated/tempered
- Automobile lights
- Railway glass
- Fluorescent lamps
- Heat-resistant glassware
- Glass and plastic products for physical, chemical and medical use

Electronics and Display Products

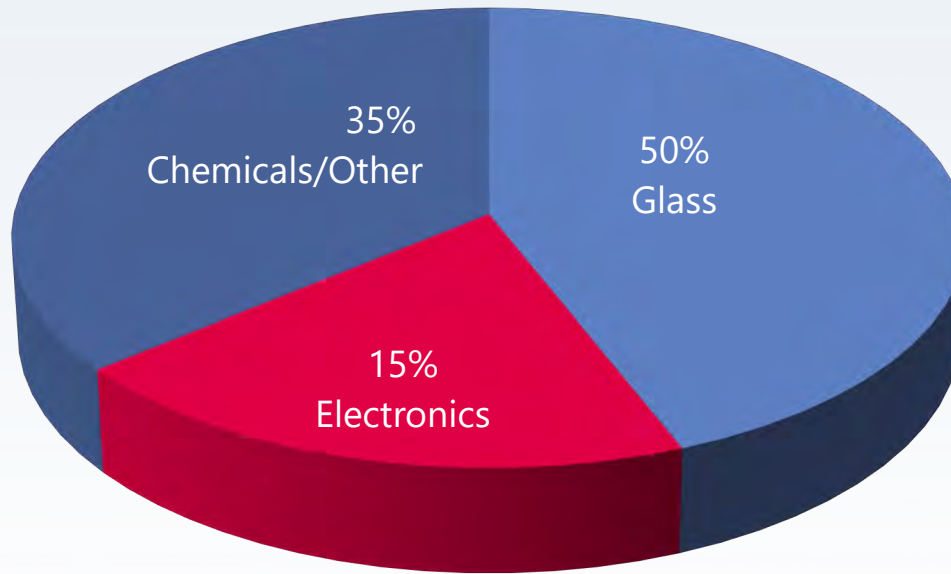
- Flat-panel display (plasma & LCD)
- Backlight tubes for LCD
- Optical planar devices
- Projector materials
- Optical filters for plasma displays
- Glass frit paste
- Glass substrates for hard disks
- Micro glass for digital cameras

Performance Polymers and Specialty Chemicals

- 
- A graphic of a molecular structure is positioned on the left side of the slide, overlapping the dark blue geometric shape. It features a series of blue spheres connected by lines, forming a complex, interconnected network. The spheres vary in size, and the lines are of different thicknesses, creating a three-dimensional effect. The background of the graphic is a light blue gradient with some faint, larger molecular structures visible in the distance.
- Caustic soda – soaps
 - Sodium bicarbonate – household detergents
 - Sodium hypochlorite – fungicides, bleach
 - Urethanes/polyols – CASE apps
 - Fluorinated resin films – solar cells/architectural
 - Fluorinated resins/elastomers –coatings/additives
 - Fluorinated water/oil repellents– textile/non-woven Fluorinated intermediates –pharmaceuticals/agrochemicals
 - Fluorinated solvents – precision cleaning
 - Reinforced fluorinated compounds – auto/electronics/other apps
 - Fine silica gels – personal care products/chromatography/ catalysts supports/3D print

Global Product Reach

Global Sales



- #1 global supplier of flat and auto glass
- #1 global supplier of ETFE
- Largest global glass supplier to NISSAN, HONDA, TOYOTA

AGC Group's Mid-term Management Plan

"Vision 2025"

By 2025, the AGC Group's Core Businesses will serve as solid sources of earnings, and Strategic Businesses will become growth drivers and lead further earnings growth.

In 2025, the AGC Group will continue being a highly profitable, leading global material and solution provider.

Core Strategy 1 Core businesses

Establishing long-term, stable sources of earnings through the portfolio management

Architectural
glass

Automotive
glass
(existing)

Display glass

Essential
chemicals

Performance
chemicals

Ceramics

Core Strategy 2 Strategic businesses

Establishing highly profitable businesses through expansion of high value-added businesses

Mobility

Electronics

Life science



The AGC Group's competitive advantages

Wide-ranging customer base

Varieties of material technologies
in the field of glass, electronics,
chemicals and ceramics

Production technology
development capability and
operational excellence

Chemicals Company Global Network

AGC Chemicals Japan

- Headquarters – Tokyo
- Factories – Chiba and Kashima
- Sales offices – Tokyo, Osaka, Fukuoka, Nagoya
- R&D – Yokohama

AGC Chemicals Asia

- AGC Chemicals Trading Co. Ltd. – Shanghai, China
- P.T. Asahimas Chemical – Jakarta, Indonesia
- AGC Chemicals Co. Ltd. – Bangkok, Thailand
- AGC Chemicals Asia Pacific Pte. Ltd. – Singapore

AGC Chemicals Europe

- Head Office and Production Plant Thornton Cleveleys, UK
- Chemicals Commercial Center – Amsterdam, The Netherlands
- Sales office in Russia

AGC Chemicals Americas

- Head Office and Technical Center – Exton, Pa.
- Production Plant – Thorndale, Pa.
- Formed in 2004 through a merger with AGA Chemicals and AG Fluoropolymers USA
- Sales office in Guaratinguetá Brazil

Chemical Company Business Overview

Industries

- Resource Recovery
- Chemical Processing
- Life Sciences & Agrochemicals
- Construction & Architectural
- Transportation
- Coatings, Solvents, & Additives
- Alternative Energy
- Electronics & Semiconductor

Major Products

- Fluoropolymer Resins/Compounds
- Specialty Chemicals
- Fluoroelastomers

Core Strengths

- Custom Manufacturing
- Research/Development
- Technical Support

U.S. Locations

-  Corporate Office
-  Manufacturing Plant
-  Regional Warehouses
-   Field Sales Offices



A Collaborative Approach



Integrated communications processes unite all key stakeholders to create complete solutions for our customers based on industry input and expertise.

The AGC Advantage

Supply

Quality

Innovation

Fluoropolymers

Breadth of Offering

Regional Warehousing
throughout USA

World-Class Delivery
Performance

Custom Compounds

Stock and MTO products Available

Local Manufacturing Facility

Short Production Lead
Times/Same-Day Shipping

Specialty Chemicals

Direct Shipment Option

On-Site International Logistics
Experts

Distributors/Local Stock



The AGC Advantage

Supply

Quality

Innovation

Fluoropolymers

Consistent Quality & Reliable
Performance, Lot to Lot

System-Controlled Specifications

Quality and Conformance
Certifications Available

Custom Compounds

Extensive Manufacturing
Experience, Product Consistency

Custom Formulations

System-Controlled Specifications

Specialty Chemicals

Consistent Quality & Reliable
Performance, Lot to Lot

Detailed COAs Available

Field Support



The AGC Advantage

Supply

Quality

Innovation

Fluoropolymers	Custom Compounds	Specialty Chemicals
Onsite Extrusion/ Molding Equipment	On-Site Compression/ Injection Molding Equipment	Product Enhancement
DOE and NDA	Physical/Analytical Testing	Application Development
Technical Support/ On-Site Test Equipment	Wear Testing	Aging Testing (30+ years)

Technical Expertise

**Application
Development**



**Product
Development**



**Technical
Support**



**Physical
Testing**



**Analytical
Testing**



**Environmental
Studies**



**Material ID/
Color Analysis**





Team Approach

Field Sales

- Creates unmatched value by understanding customers' requirements
- Creates solutions through active listening and collaborative account planning

Customer Service

- Experienced, cross-functional organization
- Solves complex supply chain problems

Leadership

- Visionary, active facilitators
- Committed to customers

Team Approach

Quality Assurance

- ISO 9001 and 14001 certified
- We value your feedback to improve our processes, products and, ultimately, your satisfaction.

Corporate Social Responsibility

- Chemistry for a Blue Planet Program
- We will ensure that all our activities are safe for our employees, our customers and the public

Technical Services Team

- A network of experts
- We will solve your challenges quickly using high-quality, environmentally compatible materials



Resins and Fluoroelastomers



Fluon® ETFE Resins

- Low-melt, pellets, beads grades
- Rotolining/rotomolding powders
- Can be custom compounded



Fluon® PTFE Resins

- Coagulated dispersions – fine powder grades
- Granular grades and aqueous dispersions
- Micropowders for lubricants/additives



Fluon® PFA Resins

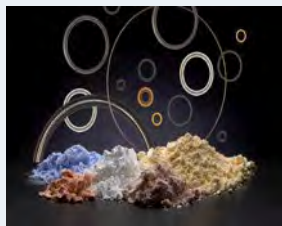
- Pellet and bead grades
- Powder grades as additives to other polymers
- Can be custom compounded



AFLAS® Fluoroelastomers

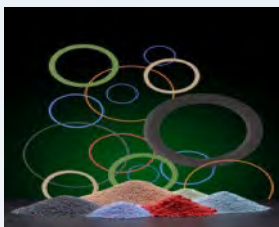
- FEPM fluoroelastomers and Latex Series; FKM and FFKM/pre-compounds;
- Engineered to withstand harsh environments

Fluon+ Custom Compounds



Fluon+™ Filled PTFE Compounds

- Low flow – non-pelletized
- Highest mechanical properties



Fluon+™ Filled PTFE Compounds

- Free flow – pelletized
- Automatic molded for seals/gaskets



Fluon+™ Melt Processable Compounds

- Made with ETFE, FEP, PFA, ECTFE, MFA, PVDF
- Color concentrates/foam concentrates/conductives/reinforced/cross-linked/lubricated compounds



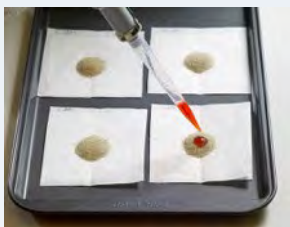
Fluon+™ Adhesive, Fluon+™ mPLASTICS & Fluon+™ Modifiers

- Incorporates a functional adhesive monomer
- Fluorinated resins added to non-fluoros for enhanced performance characteristics and flexibility



AsahiKlin and AMOLEA™ Fluorosolvents

- 100% VOC-Free
- For precision cleaning and drying



AsahiGuard E-SERIES™

- Oil/water and stain repellents
- For food packaging, nonwovens and technical textiles



Fluon® ETFE Film/F-CLEAN® Greenhouse Film

- Architecture/solar cells/greenhouse coverings
- Excellent transparency, weatherability, strength



Fine Silica Gels

- Five types of silica gel products
- Personal care products / chromatography / peptides / catalysts support /3D printing resins

Specialty Chemicals (continued)



LUMIFLON® FEVE Resins for Coatings

- Coatings with excellent weather and corrosion resistance
- Lower life cycle costs



Intermediates

- For pharmaceutical/agrochemical compounds
- Fluoro Intermediates – perfluorohexyl chemistry



Polyols for Polyurethanes & Foam Blowing Agents (HFO-1224yd)

- Specialty (high MW) and hybrid foam grades
- Flexible/rigid foams, adhesives/sealants



FORBLUE™ Membranes

- Separation technology and membrane gas dryers
- For caustic soda production, desalination and purification; electrolysis and electrodialysis and hydrogen production



Contact Us for more Information

Learn more

www.agcchem.com

610-423-4300 800-424-7833



Your Dreams, Our Challenge