



AGC AGC Chemicals streamline global collaboration & experimentation by implementing Uncountable

AGC Chemicals Americas (AGCCA) is a leading producer of fluorochemical technologies, compounds, and specialty materials with operations across the globe. As a global subsidiary of AGC Inc., the company is headquartered in Pennsylvania and has operations across the world, including its application development group and central research center in Japan.

As AGC expanded its business and developed new materials, the complexity of the R&D team's workflows increased too. Prior to implementing Uncountable to centralize AGC's materials and experiment data, physical distance and varied experiment tracking hindered their ability to collaborate. After they adopted the platform, their workflows sped up significantly thanks to a reduced manual workload and a unified source of truth.

“Before Uncountable, it was logistically difficult to share information and findings with colleagues in disparate time zones. Now, we can share our data with team members across the globe - in real-time.”

Abe Masatoshi
R&D Manager, AGC Japan

“Our collaboration with overseas teams was disjointed, and it sometimes kept us from moving fast on new materials”, says David Lavanga, innovation engineering manager at AGC. “Right away, Uncountable helped us create one of the best compounds we’d developed.”

Improving collaboration with a modern, predictive development cloud-based platform

Before AGC started using Uncountable, teams in Pennsylvania and Japan would generate their own data and work in silos until one of their quarterly calls, which were either held very early in the morning or very late at night. As they adopted the new platform, the team at AGC quickly realized that all groups would be able to share data with one another easily across time zones and despite differences in workflow.

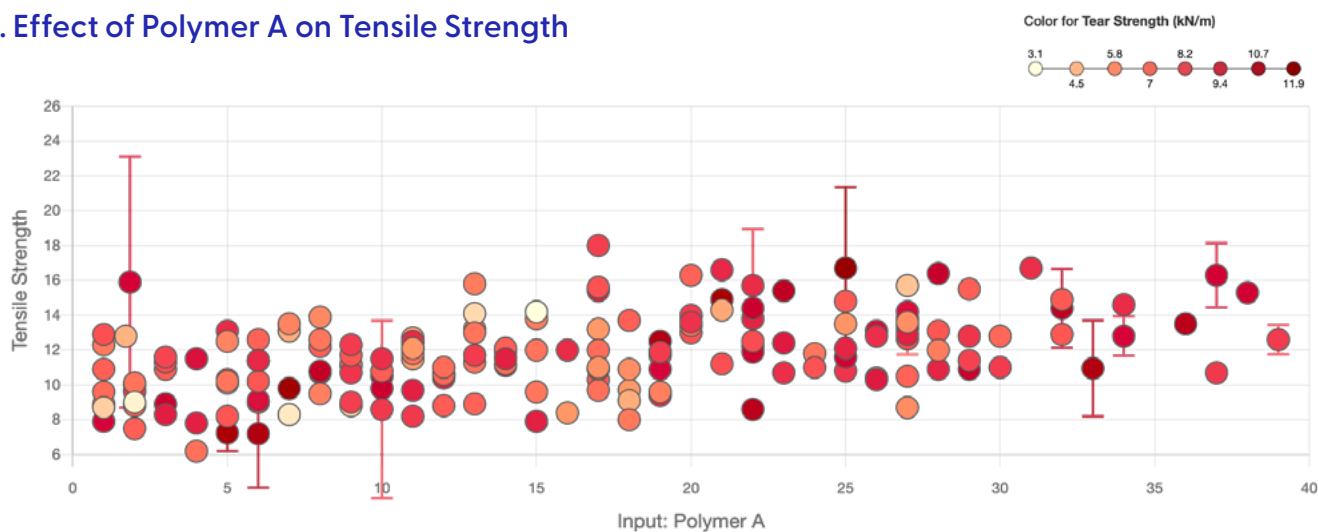
They were excited to synergize their efforts and streamline their R&D process, but also to explore some of Uncountable’s visualization and predictive capabilities.

“As an engineer and scientist, visual representation of data is very important to me, especially for large data sets,” Lavanga explains. “Uncountable’s software is phenomenal in visually representing different interactions.”

“Uncountable’s software is phenomenal in visually representing large data sets & different interactions.”

Ryan Tucker, Ph.D
Director R&D, AGC

I. Effect of Polymer A on Tensile Strength



**Graphic generated using fake data to provide a simplified example of Uncountable visualization tools*

II. Correlation Heat Map

	Tear Strength (kN/m)	MFI (g/10 min)	Tensile Strength (MPa)	Viscosity (mPa·s)
Polymer	0.68	0.62	0.08	0.04
Carbon Black C	-0.65	-0.6	-0.1	0
Coupling Agent	0.25	-0.55	0.07	0.14
Filler	-0.43	-0.54	-0.1	0.05
Carbon Black D	-0.28	-0.5	-0.07	0.13
Polymer A	0.32	0.24	0.47	0.06
Processing Aid	0.1	-0.01	-0.02	-0.47
Plasticizer	-0.29	-0.43	-0.01	-0.08
Polymer B	0.25	0.28	-0.37	-0.07
Processing Aids	-0.17	-0.36	-0.02	-0.3

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Building better compounds in less time with Uncountable

Since rolling out Uncountable, AGC has transformed its operations, accomplishing more work in less time thanks to the platform's ability to capture all formulation and experiment data in a secure, centralized location. They've been able to save weeks of physical experiment time and are able to capture qualitative data from notes and discussions in a way they never could before.

AGC's data is well-organized inside the Uncountable platform. Now, instead of jotting down information in multiple places and inputting it into a spreadsheet later, the team can upload data directly from testing equipment to Uncountable. This has made reporting, analytics, and tracking a breeze—especially for a team used to managing data with a database that was never built for global collaboration.

Today, AGC continues to develop a world-class collection of advanced materials, but now with the power of an industry compliant, AI-driven platform.

“Uncountable saves us a great deal of time in trials – from weeks to even months.”

William Salem
Technology Team Leader, AGC

To learn more about how Uncountable can optimize your organization's global collaboration capabilities, [request a demo today](#).