

AMERICHEM LAUNCHES HIGH PERFORMANCE ALLOY PLATFORM

Cuyahoga Falls, Ohio (May 20, 2026) – Americhem, a global leader in polymer solutions, today announced the launch of its High Performance Alloy (HPA) platform, engineered to integrate complementary polymer chemistries into a single material system that delivers more balanced performance under demanding real-world conditions.

Traditional high-performance polymers are often optimized for specific strengths, requiring manufacturers to manage trade-offs between toughness, chemical resistance, durability, and processability.

Americhem’s HPA platform introduces a different approach by combining complementary polymer chemistries into a single engineered system designed to maintain more consistent material behavior under stress, sterilization, and chemical exposure.

“Innovation in advanced materials requires more than improving a single property in isolation,” said Parminder Agarwal, Chief Technology Officer at Americhem. “HPA reflects our technology-driven approach to polymer engineering by combining complementary material chemistries into a more controlled performance system. The result is a platform designed to reduce stress cracking, improve long-term reliability, and help manufacturers solve complex application challenges at the material level.”

“High Performance Alloys are engineered to support applications where multiple performance requirements must work together simultaneously,” said Matt Miklos, Vice President of Corporate Strategy and Marketing at Americhem. “In healthcare and medical devices, reusable components must withstand repeated sterilization and chemical exposure without degrading over time. Transportation applications require materials that maintain durability under thermal and mechanical stress while supporting lightweighting goals. Electronics and industrial systems depend on dimensional stability and consistent performance under continuous operating conditions.”

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By controlling how materials respond under load and environmental exposure, HPA helps manufacturers reduce brittle failure risk, improve processing consistency, and simplify material qualification through an integrated formulation approach. The platform is designed to support long-term reliability while reducing the complexity and hidden costs often associated with managing material limitations through secondary design adjustments. Many of these applications require materials that maintain structural integrity under subzero conditions while withstanding continuous operating temperatures above 300°F.

The HPA platform also provides flexibility in achieving targeted surface aesthetics and functional finishes without compromising material performance. This allows manufacturers to balance appearance, durability, and processing performance within a single engineered material system. Being an amorphous material, these alloys provide good dimensional stability with low shrinkage. Aesthetically, these alloys are available in a wide range of both transparent and opaque colors.

This launch reflects Americhem's material-first approach to innovation, delivering engineered polymer solutions that help manufacturers solve performance challenges at the source.

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About Americhem

Americhem is an innovative, technology-driven leader in the global polymer industry. Its foundation is built around delivering Performance, Solutions and Trust through close collaboration with customers. All of the company's products are backed by complete technical support that ensures quality, reliability, and value. Americhem operates 10 manufacturing plants and maintains sales offices throughout the world. Learn more at www.Americhem.com.

