

CHEMICAL IP

CHEMISTRY / SYSTEMS / SCALE

CORE PRODUCT CATEGORIES / POLYMER PLATFORM

PAM, Monomers & Coagulants

PolyVelocity™, FlexPAM™, cPAM, polyDADMAC, and integrated monomers.

Engineer polymer charge, molecular weight, format, and economics around the application.





PAM, MONOMERS & COAGULANTS / 01

One integrated chain

Selective monomer integration connects purity and cost to finished polymer performance.

BUILDING BLOCKS

Acrylamide, acrylic charge components, AMPS, DMAEA·MeCl, and DADMAC define the polymer slate.

POLYMER FAMILIES

Anionic, nonionic, and cationic PAM; high-salinity grades; polyDADMAC; and DMA-EPI polyamine.

PRODUCT FORMS

Dry powder, inverse emulsion, concentrate, solution, and dispersion selected for use and freight.

APPLICATIONS

Friction reduction, flocculation, tailings, paper retention, dewatering, and enhanced oil recovery.

The modular integration concept is an economic design target, with site-specific capital and operating validation.



PAM, MONOMERS & COAGULANTS / 02

Performance by design

A polymer is specified by its real operating window—not by molecular weight alone.

WATER FIT

Salinity, hardness, pH, temperature, and solids govern polymer selection.

ARCHITECTURE

Charge, comonomer choice, molecular weight, branching, and residuals affect response.

HANDLING

Make-down rate, inversion, viscosity, pumpability, and storage shape delivered value.

PROOF

Jar, drainage, loop, rheology, and field tests link properties to the customer metric.

PolyVelocity™ targets demanding completion waters; PAM and coagulant families address separation and dewatering.



PAM, MONOMERS & COAGULANTS / 03

Supply options

From one qualified grade to a regional polymer platform.

DIRECT PRODUCT

Supply a finished grade under application-specific specification.

PRIVATE LABEL AND TOLL

Protect distributors and enable custom channel programs.

MODULAR MANUFACTURE

Evaluate dedicated production near major demand or a customer operation.

TECHNOLOGY PACKAGE

License a defined chemistry and process with qualification and quality support.

Commercial evaluation includes monomer spread, conversion cost, active freight, and product performance.