



## ACUMER 2000- AA/AMPS

Acrylic Acid-2-Acrylamido-2-Methylpropane Sulfonic Acid Copolymer is also known as ACUMER2000 is supplied by MILASH Water Treatment Co.

**Molecular Formula:**  $[C_3H_4O_2]_n[C_7H_{18}NO_4S]_m$

**Molecular Weight:** 4000

### Details

AA/AMPS is the copolymer of acrylic acid and 2-acrylamido-2-methylpropanesulfonic acid. Due to including carboxylic group (scale inhibition and dispersion) and sulfonic acid group (strong polarity) in this copolymer, AA/AMPS has high calcium tolerance and good scale inhibition for calcium phosphate, calcium carbonate and zinc scale. When built with organophosphines, the synergic effect is obvious. AA/AMPS is suitable to be used in water quality of high pH and high alkaline, it is one of the ideal scale inhibitor and dispersant on high concentration index.

Item	Index
Appearance	Hazel transparent liquid
Solid content	40 ± 1
pH (1% solution)	3 - 4
Density (20°C)g/cm <sup>3</sup>	1.15 ± 0.05
Brookfield Viscosity(cps)	100 ± 10

### Applications

- Scale inhibitor and dispersant in open circulating cooling water system
- Scale inhibitor and dispersant for Boilers.
- Antiscalant forever osmosis (RO) systems.
- Dyeing auxiliaries for textile
- Preventing sediment of ferric oxide in metallurgy system and iron & steel plants



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