



Uniphos Chemicals

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XF-327 (PMAAS)

XF-327 (PMAAS) is a **Polymethacrylic Acid Sodium**. It inherits the benefits of **PAA** (Poly-acrylic Acid Homopolymer) as below:

- Thermally and hydrolytically stable
- Excellent performance under pulp/paper conditions
- Effective against barium sulphate and calcium oxalate
- Cost savings by removing need for more expensive speciality copolymers
- Provides extended performance under boiler conditions at pressures up to 1000 psig
- Outperforms polyacrylates in pulp/paper applications
- Multifunctional scale control and dispersancy in paper machines

Except the benefits as above, it shows the following property, compared with PAA:

- Much more stable heat resisting property, as the methyl strengthen the sterically hindered effect.

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|-------------------------|--|
| Abbreviation | PMAAS |
| Chemical Name | Polymethacrylic Acid Sodium |
| Commercial Form | Aqueous Solution |
| Molecular Weight | 19,000-20,000 |
| Recommended Uses | Sludge dispersant, Dispersant in de-inking and Paper machine deposit control |

Typical Properties

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|--|--------------------------------|
| Appearance | Light yellow to amber solution |
| Solid Content (%) | 29.0-31.0 |
| pH (10%solution) @ 25°C | 9.0-10.5 |
| Specific gravity (20°C, g/cm³) | 1.18-1.21 |

Packaging

IBC/Tote, 210L PE drum, Bulk Tanker