

## Noverite™\* K-7058 Polymer

### A Functional Polymer for Household and I&I Applications

#### Introduction

Noverite™ K-7058 polymer is a partially neutralized low molecular weight water soluble acrylic acid polymer supplied as a water white to amber, slightly hazy, 50% total solids solution in water.

Noverite™ K-7058 polymer is a high performance polyelectrolyte with multi-functional properties.

#### Benefits

- Chelating Agent
  - Detergent builder functionality
  - Phosphate replacement
  - Calcium sequestering
- Deposit control
  - Dispersant / deflocculation
  - Crystal morphology modifier
  - Crystal growth inhibitor
- Inhibits precipitation of silicate, carbonates and phosphates

#### Applications

- Automatic dishwashing systems
- Cleaners
- Liquid laundry detergents

#### Physical Properties

The typical properties for Noverite™ K-7058 polymer are as follows:

Form:	Water solution
Appearance:	Water white to amber, slightly hazy
Total solids (wt%):	50 (49 to 51)*
Active solids (wt%):	49.2
Molecular weight** (GPC M <sub>w</sub> ):	7,300
pH:	2.5 (2.2 to 2.9)*
Viscosity (mPa·s at 25 °C):	425 (300 to 525)*
Specific gravity:	1.22 (1.19 to 1.25)

\*Specification.

\*\*Expressed as polyacrylic acid as determined by an aqueous GPC method.

Noverite™ K-7058 polymer is also available as a sodium salt in both liquid (Noverite™ K-7058N polymer) and powder (Noverite™ K-7058D polymer) forms.

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