

## Carbospense™ K-797 Acrylate Terpolymer

Carbospense K-797 acrylate terpolymer is a proprietary\* partially neutralized low molecular weight water soluble acrylic terpolymer supplied as a water white to amber, clear to slightly hazy, 50% total solids solution in water.

Carbospense K-797 acrylate terpolymer is a high performance polyelectrolyte with multi-functional properties including sequestration, dispersion, scale inhibition, crystal growth distortion, binding, and plasticizing.

The typical properties for Carbospense K-797 acrylate terpolymer are as follows:

Form	Water solution
Appearance	Water white to amber, clear to slightly hazy
Total solids (%)	50 (49 to 51)**
Active solids (%)	48.5
pH	2.7 (2.4 to 3.0)**
Viscosity (cP at 25°C)	450 (350 to 550)**
Specific gravity	1.1 to 1.2
Acid number (mg KOH/g dry polymer)***	450 (430 to 470)**

\* Patented.

\*\* Specification.

\*\*\* Measure of free acid present - determined by a potentiometric titration procedure on as-supplied product basis.

Carbospense K-797 acrylate terpolymer is also available in a powder sodium salt form known as Carbospense K-797D.

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