

Carbospense™ K-775 Acrylate Copolymer

Carbospense K-775 acrylate copolymer is a partially neutralized low molecular weight water soluble acrylic copolymer supplied as a water white to amber, clear to slightly hazy, amber colored, 50% total solids solution in water.

Carbospense K-775 acrylate copolymer 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-775 acrylate copolymer are as follows:

Form	Water solution
Appearance	Water white to amber, clear to slightly hazy
Total solids (%)	50 (49 to 51)*
Active solids (%)	48
pH	3.5 (3.0 to 4.0)*
Viscosity (cP at 25°C)	500 (300 to 700)*
Specific gravity	1.23 (1.15 to 1.35)
Acid number (mg KOH/g dry polymer)**	470 (450 to 490)*

* Specification.

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

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