

Carbospense™ K-781 Acrylate Terpolymer

Carbospense K-781 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, amber colored, 55% total solids solution in water.

Carbospense K-781 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-781 acrylate terpolymer are as follows:

Form	Water solution
Appearance	Water white to amber, clear to slightly hazy
Total solids (%)	55 (54 to 56)**
Active solids (%)	52.8
pH	2.8 (2.2 to 3.2)**
Viscosity (cP at 25°C)	750 (450 to 1,050)**
Specific gravity	1.25 (1.2 to 1.3)
Acid number (mg KOH/g dry polymer)***	390 (360 to 420)**

* Patented.

** Specification.

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

CBSK781-TDS (May-08)
™ Trademark of The Lubrizol Corporation

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

© 2008 The Lubrizol Corporation

Lubrizol Advanced Materials, Inc.
9911 Brecksville Road
Cleveland, OH 44141-3247
216-447-5000 Phone
800-380-5397 USA Toll-Free
216-447-5238 Fax
www.carbospense.com