



CELLOSIZE WP-300

The Product

CELLOSIZE™ WP-300 is a low molecular weight hydroxyethyl cellulose. The product is treated with a minimum amount of surface treatment to ensure a fast dissolution.

How to use the Product

This product is treated with a minimum amount of surface treatment agent to ensure a fast dissolution. To avoid lump formation it is recommended to sprinkle the product into neutral water under strong agitation. Control agitation to give maximum shear and minimum air entrapment.

Like all cellulosic ethers, CELLOSIZE WP-300 is subject to enzymatic degradation. It is therefore important that hydroxyethyl cellulose stock solutions are protected, as early as possible in the production process, by adding a proper broad-spectrum biocide.

Special Features

CELLOSIZE WP-300 is a product which finds its major use as a protective colloid in the emulsion polymerization process. Its narrow viscosity specification limit and well-controlled substitution level offers the user an excellent reproducibility.

The controlled particle size and the minimum amount of surface treatment agent offers a quick build up of viscosity. The final solution shows a high clarity and the absence of gels reduces the possible formation of grits in the polymerization process.

Other Applications

Next to the use as a protective colloid in the emulsion polymerization process, CELLOSIZE WP-300 can also be used in the following applications

- self leveling compounds
- toothpaste
- suspension stabilization

The product is typically used for the above applications because of its low level of surface treatment.

Typical Properties†

Characteristics	Range
Viscosity of a 2% aqueous solution, Brookfield LVT, spindle 2, 60 rpm, 25C	300 to 400 mPa.s (dry basis)
Waterinsolubles	0.2% by weight, maximum
Volatiles as packaged	6% by weight, maximum
pH of a 2% aqueous solution, 25C	6.0 to 7.0
Particle size	98% by weight, minimum, passes through a 20 mesh sieve (840 µ)

† The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.

For more information, complete literature, and product samples, you can reach a Dow representative at the following numbers:

From the United States and Canada:..... call 1-800-447-4369
..... fax 1-989-832-1465

In Europe call toll-free +800 3 694 6367†
..... call +32 3 450 2240
..... fax +32 3 450 2815

From Latin America and Other Global Areas:..... call 1-989-832-1560
..... fax 1-989-832-1465

†Toll free from Austria (00), Belgium (00), Denmark (00), Finland (990), France (00), Germany (00), Hungary (00), Ireland (00), Italy (00), The Netherlands (00), Norway (00), Portugal (00), Spain (00), Sweden (00), Switzerland (00), and the United Kingdom (00).

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