



# CELLOSIZE QP 4400H hydroxyethyl cellulose

## Product Description

CELLOSIZE™ QP 4400H hydroxyethyl cellulose (HEC) is a medium molecular weight cellulosic polymer useful for general thickening applications, and is used primarily as a latex paint thickener. The excellent rheological properties of CELLOSIZE QP 4400H HEC in solution make it an ideal thickener in premium quality latex paints, giving paints with good flow and leveling characteristics. The typical use levels of CELLOSIZE QP 4400H HEC in latex paints are between 5 and 7 pounds per 100 gallons. In household thickening applications, the typical concentration of CELLOSIZE QP 4400H HEC varies between 1 and 2% by weight. CELLOSIZE QP 4400H HEC is one of Dow's most popular general-purpose HEC thickeners.

## Applications

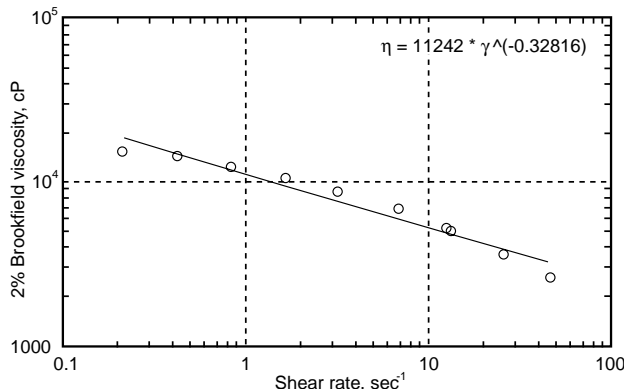
paints and coatings, general thickening

## Typical Properties†

Characteristic	Range	Method
2% Brookfield viscosity	4800 to 6000 cP	1B-44C-0.1 (ASTM D-2364)
Water insolubles	0.80%, maximum	1B-44C-0.2
Volatiles	5.0%, maximum	1B-44C-0.3
Solution pH (2%)	6.0 to 7.0	1B-44C-0.4
Hydration time (pH 7.2 buffer)	5 to 15 minutes	1B-44C-0.55
Particle size	98%, minimum through #20 mesh	1B-44C-0.6

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

## 2% Solution viscosity of CELLOSIZE HEC QP 4400H as a function of shear rate



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

### From Mexico

call 95-800-447-4369  
fax 95-989-832-1465

### In Europe

toll-free +800 3 694 6367  
call +32 3 450 2240  
fax +32 3 450 2815

Or you can contact us on the Internet at  
[www.cellosize.com](http://www.cellosize.com)

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