



CELLOSIZETM QP 52000H Hydroxyethyl Cellulose

Description

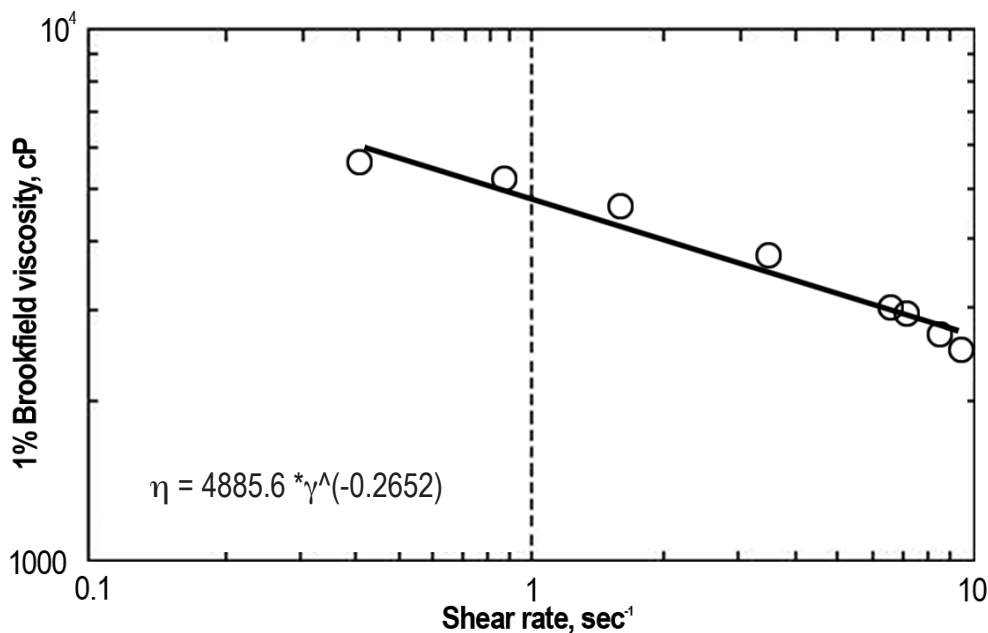
CELLOSIZETM QP 52000H Hydroxyethyl Cellulose (HEC) is a high molecular weight cellulosic polymer used as a general thickener for water-borne systems including latex paints, personal care products, household cleaning products, and tape-joint compounds. In latex paints, typical use levels of CELLOSIZETM QP 52000H HEC are 4 to 6 pounds per 100 gallons, and in personal care/household cleaners, the levels of use are typically between 0.5% and 1%. CELLOSIZETM QP 52000H HEC solutions exhibit a fairly high degree of pseudoplasticity, and because of its high thickening efficiency, it is among the most popular HEC products for general thickening applications.

Physical Properties

The following are typical properties of CELLOSIZETM QP 52000H Hydroxyethyl Cellulose; they are not to be considered product specifications.

Characteristic	Range	Method
1% Brookfield viscosity:	2400 to 3000 cP	1B-44C-0.1 (ASTM D-2364)
Water insolubles:	1.00%, 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 through #20 mesh:	98%, minimum	1B-44C-0.6

2% Solution viscosity of Cellosize HEC QP 52000H Hydroxyethyl Cellulose as a function of shear rate



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Form No. 324-00594-0914 PS

Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including Safety Data Sheets (SDS), should be consulted prior to use of Dow products. Current Safety Data Sheets are available from Dow.

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