



CELLOSIZ^{ER} 4400 hydroxyethyl cellulose

Product Description

CELLOSIZ^{ER}™ ER 4400 hydroxyethyl cellulose (HEC) is a medium molecular weight, enzyme-resistant cellulosic polymer, which is rheologically similar to CELLOSIZ^{ER} QP 4400H HEC. The excellent solution rheological properties of CELLOSIZ^{ER} ER 4400 HEC make it an ideal thickener in premium quality latex paints where an enzyme resistant cellulosic thickener is needed. The typical use levels of CELLOSIZ^{ER} ER 4400 HEC in latex paints are between 5 and 7 pounds per 100 gallons. Like all CELLOSIZ^{ER} ER HEC products, it contains about 1% fumed silica as a flow-aid.

Applications

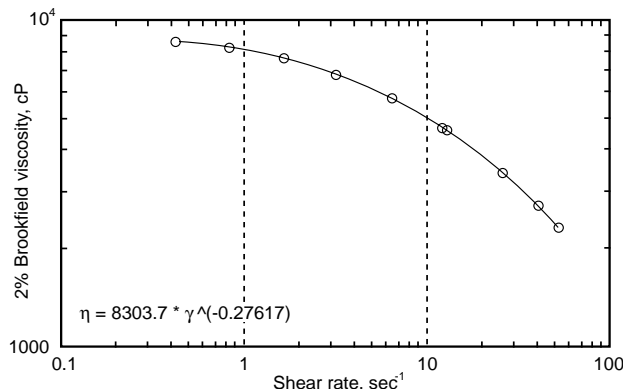
paints and coatings

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 8.5	1B-44C-0.4
Hydration time (pH 7.2 buffer)	5 to 20 minutes	1B-44C-0.55
Particle size through #20 mesh	98%, minimum	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 CELLOSIZ^{ER} HEC ER 4400 as a function of shear rate



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

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