

Natrosol™ 250HHBR Hydroxyethyl Cellulose

Non-ionic Water-Soluble Cellulose Ether

Natrosol™ 250HHBR Hydroxyethyl Cellulose (HEC) is a non-ionic, water-soluble polymer. It is a white, free-flowing granular powder with excellent dispersibility. Natrosol™ 250HHBR is insoluble in organic solvents but readily disperses and dissolves in both cold and hot water to form aqueous solutions with good viscosity.

From a chemical structure perspective, it is cellulose etherified with hydroxyethyl groups, which impart desirable performance characteristics. Natrosol™ 250HHBR is manufactured using Ashland's proprietary technology, enabling the product to resist biological enzyme attack and effectively inhibit viscosity loss caused by microbial degradation.

Natrosol™ 250HHBR is recommended by Ashland as a thickener for latex paints. It provides excellent resistance to enzymatic degradation while offering high thickening efficiency, good color development, extended open time, and excellent in-can stability.

Natrosol™ 250HHBR is widely used as a thickener, protective colloid, binder, stabilizer, and suspending agent, especially in applications where non-ionic materials are required.

Product Properties

Viscosity (1% aqueous solution):3,300 – 5,500 cps

Moisture Content:< 5%

Ash Content (as sodium sulfate):< 5.5%

Color:White to light gray

Hydration Time at pH 8.0:4 – 25 minutes

Bulk Density:1.38 g/mL

Solution pH (1% aqueous solution):6.0 – 8.5

Particle Size (through U.S. 40 mesh):..... > 90%

Product Safety

Before using this product, please read and understand the Product Safety Data Sheet (SDS).