Akzo Nobel
Functional Chemicals AB
Cellulosic Specialties

Product Information

AkzoNobel
Tomorrow's Answers Today

BERMOCOLL EBS 351 FQ

BERMOCOLL EBS 351 FQ is a non-ionic, water soluble cellulose ether with enhanced enzyme resistance. It improves the consistency, the stability, and the water retention of water based products.

Specifications

BERMOCOLL EBS 351 FQ is a medium viscosity grade of ethyl hydroxyethyl cellulose.

Physical data

Appearance	whitish powder
Particle size	98 % < 500 µm
Water content	max 4 %
Salt content	max 5 %

Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
2 % solution	5,000 – 6,000 mPa·s

Applications

BERMOCOLL EBS 351 FQ is used in latex paints for thickening and stabilizing effects, particularly when high storage viscosity combined with low application viscosity is required. Normal dosage is 0.2 - 0.7 % calculated on the total paint weight.

BERMOCOLL EBS 351 FQ is easily dispersed in cold water of pH 7 or less.
BERMOCOLL EBS 351 FQ can form lumps when added to an alkaline liquid. To avoid this, it should be added as a ready stock solution, as a slurry in slight acid water or in an organic solvent, or as a dry mix with other powder materials.

The dissolving time after dispersion is influenced by the water pH. Alkaline additives can be used to speed up the dissolving process.

Packaging and Storage

BERMOCOLL EBS 351 FQ is packed in multiply paper bags with an inner polyethylene bag. Net weight 20 kg or 50 lbs for the American market. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, BERMOCOLL EBS 351 FQ can be stored for several years. In opened bags, the moisture content of BERMOCOLL EBS 351 FQ will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL EBS 351 FQ will occur. At high temperatures and in contact with an open flame, BERMOCOLL EBS 351 FQ will burn slowly with the characteristics of cellulose.

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