



Tenagreen AB

Chemical Description

Aqueous solution of carboxymethylated starch

Main Use

Liquid binder and thickener for body, glaze, engobe, grits and printing medium

Typical Values

Appearance at 20 °C: Homogeneous ropy paste

pH: 9 - 10.5

Viscosity (Brookfield RVT @ 20 °C, 20 rpm):
4500 - 6500 mPas

Dry residue: 18 - 21 %

Storage and Handling

TENAGREEN AB is stable to prolonged storage under condition where extreme temperatures do not occur. The product should be stored between 5°C and 35°C and the shelf life is at least six months if this condition is observed.

Packaging

110 kg polyethylene drums – 1.000 kg tanks.

Material Safety

“ Detailed health and safety information can be found in our safety data sheet, available according to ECC Directive.”

Product Properties

TENAGREEN AB is an original product by LAMBERTI, suitable in ceramic application as a binder or as a thickener agent. Being a liquid product, TENAGREEN AB can be dispersed easily in slurries and slips always or just when it is requested by the situation. It does not produce foam and it has a good resistance against bacterial attack.

Applications

Ceramic body

In ceramic slips for spray drying, when the available clays exhibit poor plasticity, 0.5 - 1% of TENAGREEN AB improves green strength and mechanical resistance. The increasing is more evident after drying. The introduction of TENAGREEN AB into a dispersed slip does not produce a strong increase in viscosity. At the occurrence, viscosity can be controlled by a very little amount of REOTAN.

TENAGREEN AB is suitable as well as a binder and plasticizer for bodies formed by extrusion, as in the production of pottery, bricks, klinker, formed refractories and so on.

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