



Carbocel TAM 93

Chemical description

Carboxymethylcellulose sodium salt

Main use

Binder and thickening agent for glazes

Typical values

Appearance at 20°C: Powder

pH (1% solution): 6.5 - 9.5

Viscosity (2% solution, Brookfield LVT @ 20 °C, 20 rpm): 10000 -20000 cPs

Properties

CARBOCEL TAM 93 is a technical grade high viscosity Carboxymethyl cellulose (CMC) suitable as binder and rheological additive for glazes and engobes for ceramic industry.

CARBOCEL TAM 93 has a high DS (Degree of Substitution) which give good resistance to bacterial attack and high tolerance towards electrolytes.

Applications

The dosage of CARBOCEL TAM 93, depends on the application and can vary from 0.05% to 0.4% on dry content.

CMC can be added directly into the mill at the beginning of the milling, during the final grinding stages or, preparing a predispersed gel (usually 4-6 % water solution), under stirring into tanks after unloading from the mill.

Storage and handling

CARBOCEL TAM 93 is stable to prolonged storage under conditions where extreme moisture does not occur. The shelf life is at least twelve months if this condition is observed.

Packaging

25 KGs five-ply multiwall paper bag having two plies coated with polyethylene.

Material safety

Consult the Safety Data Sheet

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