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## GAMOL BO 11

### Sodium polyacrylate modified in aqueous solution

#### Product properties:

GAMOL BO 11 because of its particular chemical nature denotes a remarkable power of biodegradability compared to normal polyacrylates, therefore is used in various textile processes.

GAMOL BO 11 is employed, for its dispersing and complexing properties, in cotton dyeing and PES / cotton blends to eliminate the precipitation, in an alkaline environment, of substances present on cotton, it acts as a colloid and as a sequestering agent in dyeing with dyes vat, also is used as a sequestrant in cotton dyeing with reactive dyes, instead of phosphates or EDTA, because it does not affect metals binded in several classes of dyes.

GAMOL BO 11 by virtue of its high dispersing power is used in soaping after dyeing with reactive dyes..

Sequestering power (carbonate method):

pH 9 = 275 mg CaCO<sub>3</sub>/g  
pH 11 = 75 mg CaCO<sub>3</sub>/g

pH 10 = 100 mg CaCO<sub>3</sub>/g  
pH 12 = 75 mg CaCO<sub>3</sub>/g

Sequestering power (Iron):

pH 11 = 100 mg Fe/g

pH 12 = 125 mg Fe/g

Dosage:

The amount of the product recommended during the dyeing phase (as a dispersing-sequestering) is 1-2 g / l. The amount of the product recommended in post-dyeing (as soaping agent) is 1-2 g / l.

Bath preparation:

Solubilize GAMOL BO 11 in cold water and introduce in the working cycle.

Keywords: polyacrylate, dispersant, complexing agent, colloid, sequestering agent, dispersing, vat, soaping agent, reactive dyes.

The data contained in this circular are based on our current knowledge and experience. These data do not exempt the user from conducting his tests, to adapt the product to their processing requirements.

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