GGchem

GGPASS

SUSTAINABILITY FOR OUR FURTURE

ROADMAP TO ZERO

OEKO-TEX®
INSPIRING CONFIDENCE
ECO PASSPORT
E1VLEZ3S8 AITEX

GLOBAL ORGANIC TEXTILE STANDARD · GOTS ·

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GGPASS is a special wetting and de-sizing agent that can be used in padding process in continue and exhaust methods.
Innovative feature of GGPASS, different than its equivalents is that special component in its formulation activates in bleaching bath and joins to the starch macro molecules, and it decreases polymerization degree. In this way, sizing agent is transferred and dispersed to/in bath. After bleaching, starch can be easily removed by means of the washing processes already included in the process. There is no need for an additional processes.

ADVANTAGE OF GGPASS

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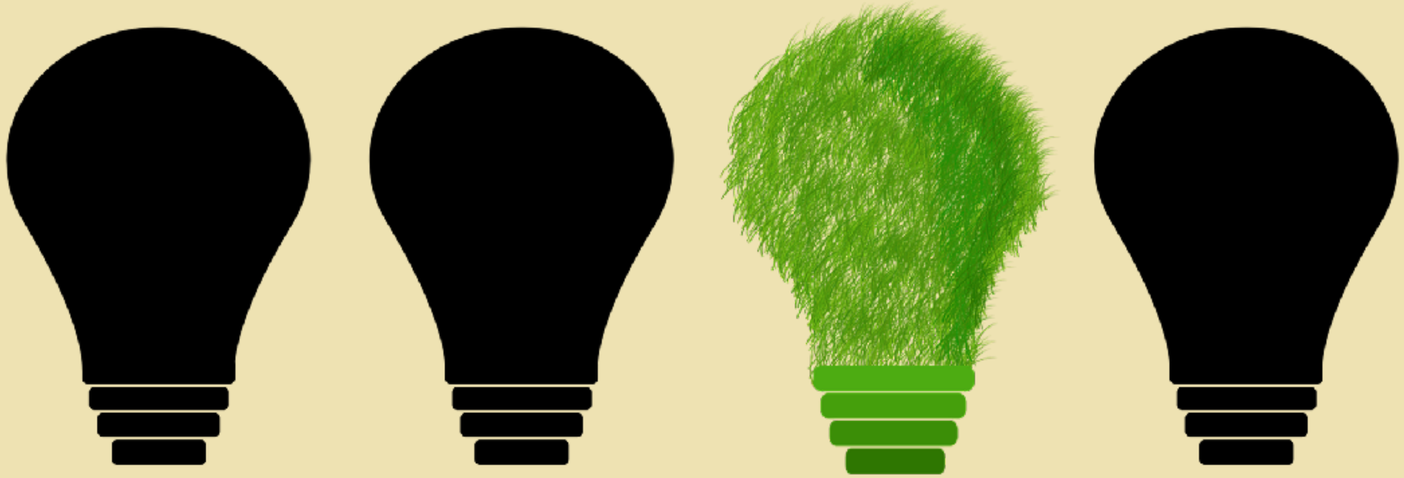
* It provides de-sizing and bleaching in one step/in one baths
* No necessary enzymatic de-sizing processes
* No necessary oxidative process (no need using persulphate salt)
* Excellent whiteness degree is obtained by GGPASS
* It gives good and homogenous hydrophilic properties after bleaching thus obtained excellent homogenous dyeing
* Woven fabric’s head-end differences are eliminated in dyeing by means of efficient de-sizing process and excellent hydrophilic properties
* It prevents dye migration and yellowing because of wet batching
* It is suitable cold pad batch process, continue and exhaust methods



PROPERTIES OF GGPASS

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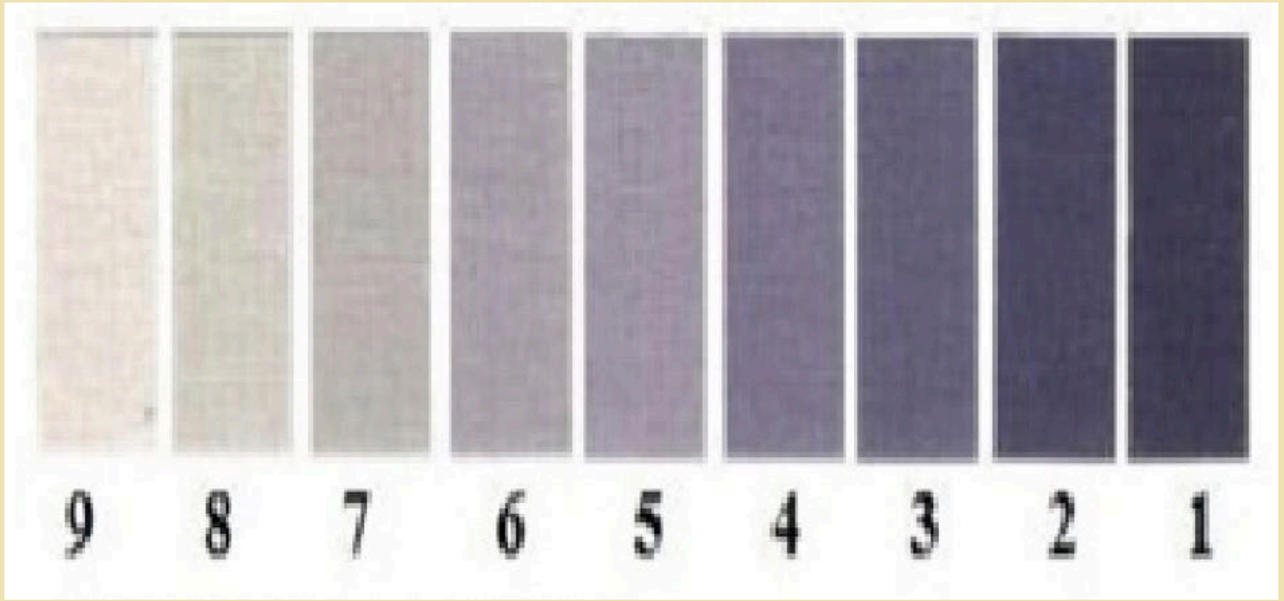
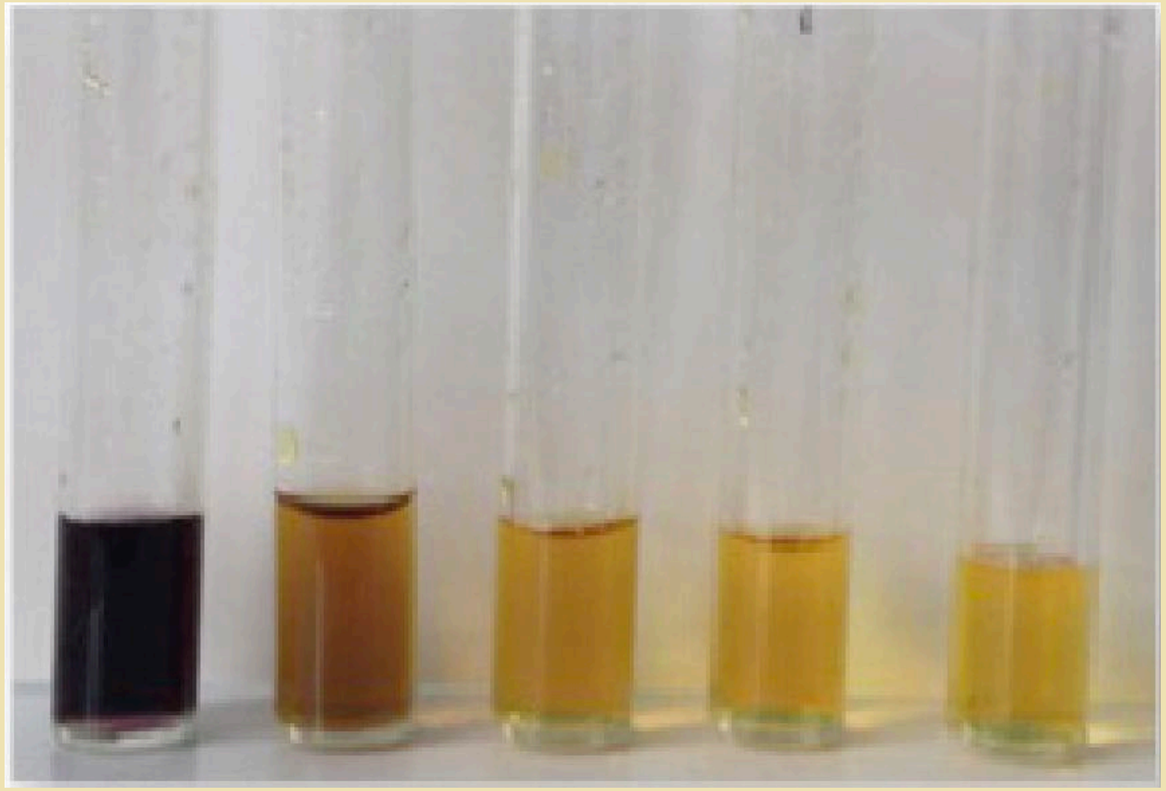
* Detection of starch is realized by iodine solution; dark brown to purple color is formed (tegawa color scale). Its known that iodine infiltrates into amylose helixes and forms a complex compound, and difference between the energy levels corresponds to the visible absorption spectrum of the light. De-sizing performance of GGPASS, and starch present in continue washing bats are shown in below.





APPLICATION OF GGPASS

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* Cold pad-batch bleaching application recipe;

GGPASS	6 - 10 g/l
GGSTAB	5 - 8 g/l
NaOH(48ºBé)	40 - 60 g/l
Hidrogenperoxide(50%)	40 - 60 g/l

Batching: 18 - 22 hours

* Continue Bleaching Application Recipe;

GGPASS	3 - 5 g/l
GGSTAB	3 - 5 g/l
NaOH(48ºBé)	15 - 25 g/l
Hidrogenperoxide(50%)	15 - 25 g/l

* Exhaust Application

GGPASS	1 - 1,5 g/l
GGSTAB	0,3 - 0,5 g/l
NaOH(48ºBé)	3 - 6 g/l
Hidrogenperoxide(50%)	3 - 10 g/l

Time : 30 - 40 min.
Temp.: 95 - 98°C

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