

BIOCLAY PASTE

New generation all in one product for pretreatment of Cellulosics

Clay based product can remove all kind of impurities natural and synthetic. It can be very effective in removal of oil. The application of harmless, non-toxic clay based products can help to produce textile goods in a cleaner way, in a number of applications, as an alternative for products based on organic chemistry.

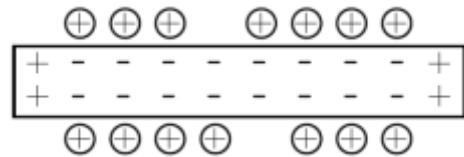
Bioclay Paste is a unique all in one product used in the pretreatment of yarns and fabrics. It removes all impurities from Cellulosic substrates, provides lubricating and improves absorbency. It also shows good sequestering and peroxide stabilizing action which means no need to add additional chemicals during bleaching.

KEY FEATURES

- All in one clay based product for pre-treatment processes
- Excellent wetting and emulsifying, sequestering, lubricating and chelating action
- Effectively removes the waxes, pectins and other insoluble impurities
- Suitable for all discontinuous application such as full white bleaching, scouring elastane blends to emulsify and remove oil



MECHANISM



Clay minerals are very reactive because of their large surfaces area and they commonly carry a charge i.e. negative charge. Due to this clay can remove all kind of impurities like oil, metal ions etc.

FOAM PROFILE

After 10 sec turbulence in foam tester at 60°C (1gpl)



TOXICOLOGY TEST RESULTS

Bleaching Bath with	COD	BOD
Bioclay process	805	260
Conventional process	1404	397

Chemical Oxygen Demand (COD) mg/l

Biological Oxygen Demand at 27°C, 5 Days (mg/l)

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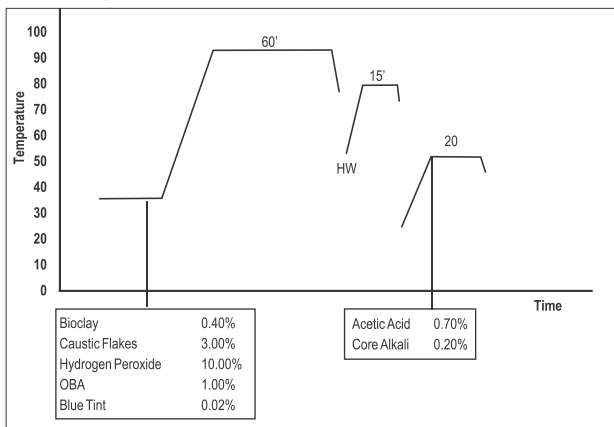
(An ISO 9001:2015 & 14001:2015 Certified Company)
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TRIAL 1

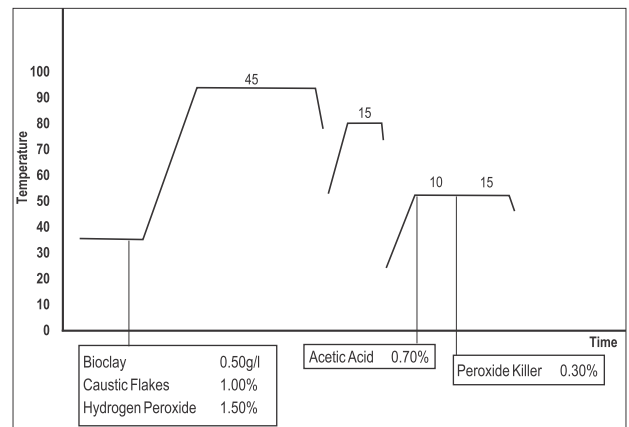
Machine - Soft Flow
 Substrate - SJ Knitted Lycra fabric
 Shade - Full White
 MLR - 1:6



Parameters	Results
Residual Peroxide	Nil
Surface pH	5.0-5.50
Whiteness (CIE)	157
Absorbency	Instant

TRIAL 2

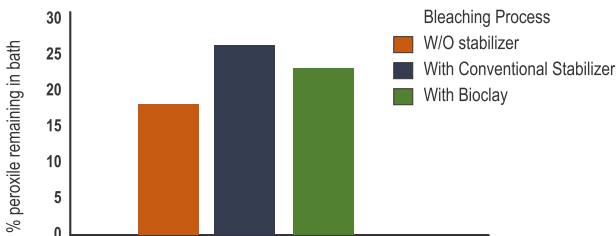
Substrate - SJ Knitted fabric
 Shade - RFD
 MLR - 1:10



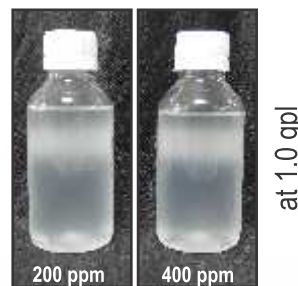
Parameters	Results
Residual Peroxide	Nil
Surface pH	5.0-5.50
Whiteness (CIE)	71
Absorbency	Instant

Peroxide Stabilization Profile

Hydrogen peroxide in bath - 4%



HARDNESS STABILITY



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