

G001A-F

Phenotest Yellowing Test Products

A Range Of Apparatus And Consumable items used to assess the likelihood of textile based products to yellow in transit or storage. The products can be used on white or pastel coloured yarns, fabric or finished garments. The Phenotest was developed and is intended to assess the potential of phenolic yellowing of textile materials. Performing this test will help manufacturers understand and predict if a garment will yellow while in its package. These high quality consumables are delivered in air tight packaging that is resealable after opening to increase shelf life. Extensive testing of each batch is done before creating the Certificate of Conformity. The test is intended only to predict the yellowing which may be caused by the action of oxides or nitrogen on yellowable phenols. The test is not intended to deal with any other causes of yellowing such as fading or optical brighteners, gas fume fading or other such causes. Phenotest has shown to be very useful in controlling the quality of white and pastel coloured goods and can significantly reduce customer complaints due to this factor.

Details G001A-F

- Impregnated test paper impregnated with a methanol solution which contains the phenolic chemical.

- The test is considered valid if the control fabric has turned yellow.

- Glass plates 100 x 40 x 3 mm to separate specimens.

- BHT-free film to wrap each set of test specimen in.

- Perspirometer to provide uniform contact between the test papers and fabric samples under a standard load.

- The test Specimen are exposed for 16 hours at $50^{\circ}\text{C} \pm 3^{\circ}\text{C}$ in Incubator/oven.

- Gray scales for assessing staining.

- Template for cutting BHT-free polyethylene film.

Standards	ISO 105-X18:2007, M&S C20B, NEXT TM43
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