

Direct Dyes And Their Application Infohouse

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Direct Dyes And Their Application

different application categories of dyes than any other fiber type, being dyeable with direct, sulfur, vat and fiber reactive dyes as well with azoic combinations. Of these application categories of dyes, direct dyes are second only to sulfur dyes in their textile usage worldwide, with vat and fiber reactive dyes well behind.

Direct Dyes and Their Application - P2 InfoHouse

Application of Direct Dyes They are usually applied with the addition of electrolyte at or near the boil in the machines capable of running at atmospheric pressure. An addition of alkali, usually sodium carbonate, may be made with acid-sensitive direct dyes and with hard water as well as to enhance the dye solubilisation.

Direct dye - Application of Direct Dyes

Direct dyes are anionic dyes substantive to cellulosic fibers when applied from an aqueous bath containing electrolyte. Many of them also dye protein fibers. Direct dyes are very easy to apply and available in the market. Properties of direct dyes: Direct dyes have some characteristics. Followings are the main properties of direct dyes.

Direct Dyes || Properties Of Direct Dyes | Textile Fashion ...

Direct Dye: Direct Dye is a class of dyestuffs that are applied directly to the substrate in a neutral or alkaline bath. They produce full shades on cotton and linen without mordanting and can also be applied to rayon, silk, and wool. Direct dyes give bright shades but exhibit poor washfastness.

Introduction of Direct Dyes | Classification of Direct Dye ...

Direct dyes are water-soluble anionic dyes, but are not classified as acid dyes because the acid groups are not the means of attachment to the fiber. They are used for the direct dyeing of cotton and regenerated cellulose, paper and leather.

Chapter 8-DYES-THE CHEMISTRY AND APPLICATIONS

Common Applications of Dyes & Pigments Most people mix the dye with pigments, and so do they mix their applications. Though they both can be used interchangeably, yet there's a wide difference between them and their applications. The dyes and pigments are significant ingredients required for painting and coloring multiple products.

Common Applications of Dyes & Pigments

Direct Dye These dyes are applied to the fabric by preparing an aqueous solution and submerging the fabric in it. Fabrics which can form hydrogen bonds with the dye molecule are dyed with direct dyes.

Different Types of Dyes with Chemical Structure | Meghmani

Reactive dyes have proven to be one of the most successful classes of modern synthetic dyes. The reasons for this success lie in their shade versatility, their flexibility in application and the all-round good fastness properties obtained from dyeings produced with reactive dyes on wool, silk, cotton and regenerated cellulosic fibres.

The chemistry of reactive dyes and their application ...

Dyeing and printing processes are value-added treatments for most textile materials. A dyeing process is the interaction between a dye and a fibre, as well as the movement of dye into the internal part of the fibre. Generally, a dyeing process involves adsorption (transfer of dyes from the aqueous solution onto the fibre surface) and diffusion (dyes diffused into the fibre).

Dyeing Process - an overview | ScienceDirect Topics

Direct Dye: These are the dyes which can be applied directly to the fabrics from an aqueous solution. These are most useful for fabrics which can form hydrogen bonds with the Dyeing of Fabrics. The direct dyes mainly the basic dyes and were widely hailed because they made it unnecessary to use a mordant or binder in dyeing cotton.

Different Types of Dyes with Chemical Structure - Textile ...

DIPERSE dyes are nonionic, have very limited solubility in water at room temperature and have substantivity for one or more hydrophobic fibers; e.g., polyesters and nylons. They are usually applied from a fine aqueous dispersion containing some dissolved dye.

Chapter 8: Disperse Dyes and Their Application to Polyester

Synthesis and Application of Direct Dyes Derived From Terephthalic and Isophthalic Acids on Cotton Fabrics www.iosrjournals.org 52 | Page An aftertreatment was carried out on the dyed samples using 8%formaldehyde, liquor ratio of 50:1, at 60oC for 60 minutes for each sample.

Synthesis and Application of Direct Dyes Derived From ...

Direct dyes can color fabric directly with one operation and without the aid of an affixing agent. Direct dyes are the simplest dyes to apply and the cheapest in their initial and application costs although there are tradeoffs in the dyes' shade range and wet fastness (Corbman, 1975).

Types of Dyes - classification based on chemical structure ...

Direct Dyes We can apply these dyes directly on the fiber as they have a strong affinity and so they are called direct dyes. Mainly these dyes are sodium salts of sulphonic acid or carboxylic acid, and their leading chromophoric group is azo. They are also known as substantive dyes.

Different Types of Dyes and Their Properties - TextileTuts

Direct dyes: These dye staffs are generally sodium salt of sulphonic acid. They have direct affinity to cellulosic fiber. Types of dyes and their properties are water soluble and needs salt addition in the dye bath, should be applied at alkaline or neutral condition. This dye staff is poor fastness to wash but cheaper.

Types of dyes and their properties - textilelearners.com

Part 1 of this chapter covers the chemical development of sulphur dyes and the general principles of their application to cotton. Sulphur dye reduction and oxidation are compared with those of vat ...

J.R. Aspland's research works | Clemson University, SC (CU ...

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Direct Dyes And Their Application Infohouse

It is a type of dye that is mixed in 'all purpose' dyes. This is used for the purpose of dyeing viscose and cotton in the form of yarn, fabric or loose cotton. Our extensive range of direct dyes supplier is appropriate for high-temperature dyeing of cellulosic or polyester blends.