

# Honduras Smart Pigment Fiber for Hospitals



## Overview

This work demonstrates the suitability of agro-industrial byproducts, namely cheese whey and corn steep liquor, as alternative culture medium components for producing natural pigments by *Penicillium brevicompactum*. Market Forecast By Technology (Smart Fabric Technology, Textile Sensors, Wearable Technology, Joining Technology), By Application (Bio-Monitoring, Surgery, Hygiene, Drug-Release System, Therapy and Wellness, Others), By End User (Hospitals and Clinics, Academic and Industrial Research, Others) And. GK Textile was established in Honduras more than 30 years ago as one of the first foreign textile investors in the country, offering vertically-integrated operations that cover all areas of the supply chain: yarn, knitting, dyeing-finishing, cutting, sewing, printing, embellishment, embroidery and. Smart textiles, also named smart fabrics or e-textiles, are designed with integrated electronic components, sensors, and other technologies. These components can be used to monitor, transmit, and receive data, and can be embedded in textiles in various ways, such as by weaving or printing them. Natural pigments, particularly fungi-derived ones, are increasingly favored for their biodegradability, non-toxicity, and additional biological properties, offering a

safer alternative to synthetic dyes. is located in a Duty Free Zone in Honduras, Central America. The largest recycling processing zone in the western Hemisphere, exporting and reutilizing a variety of waste products.

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In the present paper, we attempt to study the eventual use of photochromic pigments on the development of a smart textile fabric (functional material with a wide range of applications such ...



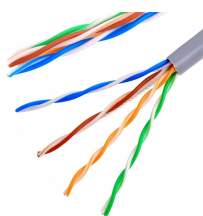
The purpose of a review regarding green nanomaterials for smart textiles dedicated to environmental and biomedical applications is to provide an overview of the recent advancements in the field of ...



Terra Polyester S.A. de C.V. is located in a Duty Free Zone in Honduras, Central America. The largest recycling processing zone in the western Hemisphere, exporting and reutilizing a variety of waste ...



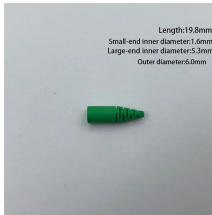
Here we review the development of smart textiles for application in personalized healthcare.



Developing smart textiles that monitor health parameters, improving wound dressings with biocompatible and healing properties and creating antimicrobial fabrics for surgical garments and ...



Honduras Medical Smart Textile Industry Life Cycle Historical Data and Forecast of Honduras Medical Smart Textile Market Revenues & Volume By Technology for the Period 2020- 2030



Functional and smart dyes are available in both synthetic and natural form. But with the environment concern, the researchers are going on to find out natural source of these dyes.



Two different natural pigments" mixtures were successfully used to dye cotton and linen fabrics, highlighting P. brevicompactum pigments" potential as environmentally acceptable ...



At the forefront of the smart textile community, healthcare and sustainability are the two crucial objectives targeted by researchers. The development of such powerful devices has been ...



Thanks to our multiple spinning mills, located in Honduras and Nicaragua, we are capable of producing millions of pounds of yarns, giving us the business model necessary to meet clients" demands and to ...

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