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Anti-Crease Agent Market Assessment, By Ingredient Type [Nano Particle-based, Formaldehyde, Polyacrylate, Others], By Application [Dyebath Lubricants, Wet Processing Lubricant, Dyeing, Lowers Surface Friction, Others], By Region, Opportunities and Forecast, 2016-2030F

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Abstracts

Anti-Crease Agent Market size was valued at USD 856.1 million in 2022 which is expected to reach USD 1245.7 million in 2030 with a CAGR of 4.8% for the forecast period between 2023 and 2030. Anti-crease agents are incorporated with unique characteristics that significantly eliminate problems that occurred with residual oils, silicone, wax, fabrics derived from polyester, polyamide, etc. They are successively used to treat cotton and blends and impart anti-crease finishing and dimensional stability. The proper selection of anti-crease agent is achieved depending upon the type of fabric like weave pattern, its weight and construction. Nanoparticle-based anti-creasing agent is gaining prominent resemblance due to its water repellant characteristics along with antimicrobial properties.

Performance of Finished Textiles is Improved by Anti-Creasing Agents

Anti-creasing agents have emerged as an impeccable chemical compound due to their unique properties like miscibility, stability, physical appearance, and compatibility. It has numerous benefits and versatile nature for dyeing cotton, polyester, and their blends. During finishing of fabrics, it assists in preventing chaffing or crease marks. Anti-creasing agents are compatible with nonionic and anionic products and remain stable to diluted acids and alkalis. The cost management for terry towels is substantially achieved using anti-creasing agents where the lubrication property led to weight loss minimization

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during pretreatment and dyeing processes. Kolor Jet Chemical Pvt. Ltd. has developed efficient dyebath lubricants for knit fibers to eradicate the crease marks along with reducing fiber to fiber friction and leave no dyes effects on the fabrics.

Data released by the Ministry of Textiles, India states that FDI has invested a humongous capital of USD 1,522.23 million in the textile sector from 2017-2022. In 2022, the net value of the United States man-made fiber, textile and apparel shipments accounted an estimated over USD 65.8 billion where the export of fibers, textiles contributed to around USD 34 billion.

Anti-Creasing Agents Market is Propelled Due to its Importance in Multiple Applications

Anti-creasing agents with their unique characteristics form a thin uniform protective coating surrounding the fiber to reduce the surface friction and ultimately lower the formation of stringent creases during high temperature wet processing. Knit fabric of essential blends, cellulose and synthetic fibers are processed through scouring, bleaching, dyeing, and soaping processes that became easier by using anti-creasing agents. HT Fine Chemical Co., Ltd. produces a special bath anti-creasing agent which while processing remarkably reduces the friction between fibers and its dyeing tank that reduces scratches and creases due to their smoothing and softening characteristics. Special polymer dispersion in the anti-creasing agents is solely responsible to prevent fabric rope from creasing during the pre-treatment, dyeing and post-processing.

In March 2022, the European Commission has represented its vision for textile industry which estimated that in 2021 the turnover of USD 166.99 with an increment of around 11%. Around 33% of companies are textile-based across the European Union that accounts for micro and SMEs' enterprises. With such an impeccable figures Europe has extreme potential for anti-creasing agent market that generates phenomenal opportunities to expand.

Novel Anti-creasing Agent for Improving the Textile Bath of Fabrics

The problem of crease mark, stripped mark and other faults are usually encountered during small bath ratio case and rapid cloth speed case. Unique anti-creasing agent in the textile bath comprises of nonionic polymer, anionic polymer, water treatment agent, mould inhibitor that is used for rope dyeing of texture. Under the influence of mechanical tension, the dynamic coefficient of friction is significantly higher that produces wrinkle seal, unwanted shank seal defects during airflow dyeing machine where the speed is greater than 200 meters/minutes. The incorporation of anti-creasing agent resolves

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such problems during the textile bath.

Key Players Landscape and Outlook

The Anti-Crease Agent market is successfully growing with the increasing demand of wrinkle and crease free cloths. Fineotex Chemical Limited are leading in delivering impeccable anti-creasing solutions for different types of fabrics. Finocon Caz Premium is a high active emulsifier with significant anti-crease properties that eliminates the usual problem associated with residual tough oils, and fats. Its lubricant type of property minimizes the problem that occurred with terry towels and machine parts due to friction. It resembles an excellent emulsifying agent for treating waxes, silicones and removes dirt and spots. It has the potential to optimize fabric-to-machine and yarn-to-yarn frictions that assist in preventing rope marks, creasing abrasion, chafing for various types of fibers.

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