SASMA

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OCT' 2024

NEWS LETTER

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ABOUT SASMA

Shri. Mihir R. Mehta - Chairman

Smt. Smita A. Yeole – Vice-Chairperson

- Synthetic & Art Silk Mills' Association Ltd. (SASMA) is the oldest organization in the Country representing Man-made Textile Industry.
- SASMA was established in 1939-40 and is registered under the Companies Act.
- It has been providing yeoman service to the Man-made Textile Industry for Eight and half decades.
- SASMA is the parent organization in the man-made Textile Industry and is instrumental in establishing The Synthetic & Art Silk Mills' Research Association (SASMIRA), The Rayon Mills Commercial Corporation Ltd. (RMCC), Rayex (India) Ltd. (RAYEX), and Federation of Indian Art Silk Weaving Industry (FIASWI).

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SASMA EVENTS - "IMPORTANT ASPECTS OF MAN-MADE CELLULOSIC FIBRE WET-PROCESSING"
Date: 16th October'2024, 11.30 AM to 1.00 PM

Ms. Riya, a student from the SIDT, warmly welcomed esteemed guest Mr. Nitesh Agrawal, Deputy General Manager (SME) of Grasim Industries Ltd., and Dr. Ashok Tiwari, Director General of SASMIRA. Dr. Ashok Tiwari, also the convener of the guest lecture, graciously welcomed Mr. Agrawal with a bouquet of flowers, setting the tone for an enlightening and engaging session. Mr. Nitesh Agrawal, Deputy General Manager (SME) of Grasim Industries Ltd., delivered an insightful lecture on the textile industry. He began by introducing Aditya Birla Group and Grasim Industries, highlighting the global consumption of viscose fiber, which stands at approximately 118,000 kilograms, with 92,000 kilograms destined for recycling.

Mr. Nitesh Agrawal's comprehensive presentation covered key topics, including:

1. Classification of textile fibers
2. Viscose fiber production process
3. Distinctions between natural and man-made cellulosic fibers
4. Differences between ring frame and siro spun yarn
5. Stages from fiber to fabric production, including pretreatment and finishing processes with recipes.

Mr. Nitesh Agrawal further elaborated on various softener types and their applications. He also showcased developmental work samples, providing tangible examples for students and faculty. Mrs. Vikita Shah, Dean of SIDT, presented Mr. Nitesh Agrawal with a special memento as a token of respect and appreciation. Mr. Harshal. V Ramteke, Head of Department, SIMMT, extended heartfelt gratitude with a vote of thanks. The session received overwhelming appreciation from both physical and online attendees. Mr. Nitesh Agrawal provided clear and concise answers to queries of the participants.

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Gujarat Textile Policy 2024- HIGHLIGHTS

- The new policy was launched by Chief Minister of Gujarat, Bhupendraji Patel, during the Udyog Saahasikta Divas celebration, underscoring the state's commitment to making the textile industry more competitive, sustainable, and employment-generating.
- India's Gujarat state government recently introduced its Textile Policy 2024, which offers capital subsidies, credit-linked interest subsidies, payroll assistance and fiscal subsidy provisions for labor-intensive units to streamline the sector.
- The new policy focuses on garments, made-ups and other technical textile activities and is aimed at raising investments in the sector and strengthen the textile value chain across each sub-sector.
- Weaving (with or without preparatory), knitting, dyeing and processing, texturizing, twisting, man-made fibre spinning to manufacturing yarn from polyester staple fibre or viscose staple fibre (excluding spinning activity of cotton and synthetic filament yarn), and embroidery are included as another activity under this policy.
- Capital subsidies will be offered at 10-35 per cent of the eligible fixed capital investment (EFCI), i.e., investments in fixed assets that qualify for tax benefits under government schemes. The maximum subsidy will be up to ₹1 billion.
- Credit-linked interest subsidy will also be offered at 5-7 per cent of the EFCI for five to eight years.
- Payroll assistance ranging from ₹5,000 to ₹3,000 per female worker and ₹3,000 to ₹2,000 per male worker per month will be offered. Payroll assistance of up to ₹5,000 per month, and up to 25 per cent of job work value turnover will be offered per member for five years.
- Training assistance worth ₹5,000 per month per member for three months will also be offered.
- A power tariff subsidy will be offered at ₹1/kWh. Units availing power either from distribution companies or renewable power through open access for a period of five years from the date of commencement of production are to be eligible.
- Textile units will be provided assistance for quality certification, reducing energy and water consumption, and technology acquisition.
- The policy also focusses on reducing carbon footprint and promoting green growth.

Reference: cmogujarat.gov.in. (CMO Gujarat)

NEW SUSTAINABLE FIBRES FOR TECHNICAL TEXTILES
SHORT COMMUNICATION

- When most people think of textiles, they think about traditional textiles meant for clothing or home furnishings. However, the use of textiles is considerably more diversified and hi-tech than what most assume. Non-traditional or technical applications of textiles account for nearly 27 per cent of the global textile market; in some Western countries, its share is 50 per cent while in India it is 11 per cent. The technical textile sector is counted to be one of the fastest growing sectors.

- Technical textiles are materials that focus more on performance rather than appearance and are currently in demand in multiple industries. According to a report by Fortune Business Insights that analyzed the sector from 2019 to 2026, the market value of technical textiles was valued at $159.29 billion in 2018 and is expected to grow at a compounded annual growth rate (CAGR) of 2.7 per cent between 2010 and 2026.

- The technical textiles industry in India was valued at ₹1,16,217 crore in 2017-18. The domestic market is projected to reach ₹2,00,823 crore by 2020-21 with a CAGR of 20 per cent. The key growth drivers for the Indian technical textile market include increasing consumer income levels, growing end-user industries like automobiles, healthcare, sports etc and overall infrastructure and industrial development. The initiatives taken by the government in attracting investments in technical textiles will also drive its growth.

- The sector consists of both natural and synthetic fibres but the synthetic fibre segment holds the largest revenue share in the global technical textiles market. Some of the synthetic fibres used in this industry are nylon, polyester, acrylic, olefin, PLA and modacrylic. Some fibres with special properties are saran, vinalon, vinyon, spandex, sulphar, twaron, kevlar, nomex, zylon, dyneema/spectra and vectran. All these fibres are produced from petrochemicals and emit considerable amounts of carbon dioxide. To ensure their commitment towards preservation of the planet and provide us with sustainable solutions for the textile industry, many textile companies have developed fibres from recycled materials and natural sources for technical textiles in recent years. Here are some of the newly developed sustainable fibres.

1. ***DuPont Apexa fibre:*** DuPont Apexa is an eco-friendly degradable polyester that decomposes through industrial composting without harming the soil or environment. Developed through a patented and innovative technology, the fibre breaks down into simple CO_2 and H_2O, reducing textile waste and limiting environmental impact. Compared to conventional degradable plastics like polylactic acids and polybutylene succinate, Apexa excels in durability and heat-resistance. In addition to minimising textile waste, it also blends with natural fibres like wool, cotton or cellulose to enhance their attributes, making them stronger, softer and more durable. Japanese sportswear manufacturer Goldwin started marketing sportswear using Apexa fibre.

2. **DuPont Sorona fibre**: Dupont Sorona fibre is a partially bio-based PTT polyester polymer with 37 per cent annually renewable plant-based ingredients, i.e., corn and corn starch. Its life cycle assessment shows that the manufacture of Sorona requires 30 per cent less energy and releases 63 percent fewer greenhouse gases than the production of Nylon 6. In comparison to Nylon 6.6, Sorona consumes 40 percent less energy and reduces greenhouse emissions by 56 percent. It is primarily used in textiles for apparel and home, office and automotive interiors, residential and commercial carpeting and automotive mats.

3. **Jute cell fibre**: Jute cell fibre is a new type of regenerated cellulose fibre produced from jute and kenaf through a special process developed by Shandong Helon Co Ltd. The special manufacturing technology imparts the fibres bacteriostatic, bactericidal and anti-fungal properties. Besides this, the denier and the length can be adjusted according to the spinning order. The fibre is biocompatible, environment-friendly, and has applications in healthcare, fashion and home textiles sectors. It has high tensile strength, low extensibility and ensures better breathability of fabrics.

4. **Avra fibre**: Developed by Eastman, Avra is a revolutionary fibre technology made up of cent per cent post-consumer recycled PET. In knit fabrics of similar construction and weight, Avra's performance fibres provide excellent drape and softness. Fabrics made with Avra help keep the body cool during a workout. With no additional chemistry needed, Avra's lightness, flexibility, and breathability provide performance that can be felt by the wearer. Avra fibres are suitable for making fabric for active wear.

5. **EcoSure PET fibre**: EcoSure polyester fibres are produced from 100 per cent recycled post-consumer PET containers. Both EcoSure Wellstrand (heavy denier) and EcoSure fibres are certified by Scientific Certification Systems (SCS) and made from 100 per cent PCR polymer. EcoSure staple products are available in 1.2-500 denier. EcoSure is suitable for hygiene (wipes, diaper linings, etc), industrial non-woven products (industrial wipes, furniture, automotive, filtration, insulation, scrub pads, foam-replacement seat cushions), geotextiles for erosion control like American Excelsior Recylex, where 100 per cent of loose web is made from EcoSure, and all types of textile products like apparel, socks and home fabrics.

6. **Cool max Eco Made fibre**: Cool max Eco Made fibres are made from 97 per cent of recycled resources like plastic bottles and help to keep plastic bottles out of landfills. To create the fabric, used plastic bottles are cleaned and transformed into a polyester yarn to be used in apparel products. Fabrics made from these keep the wearer cool, dry and comfortable by moving moisture away from the skin to the surface of the fabric where it evaporates. These are often used in active wear.

The consumption of man-made fibres in technical industries is very high, which results in increase of greenhouse gases. Time has come to focus more on eco-friendly fibres. The use of eco-fibres and recycled fibres are the best solutions to keep our environment clean and minimize global warming.

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LIST OF INTERNATIONAL EXHIBITIONS-2024-25

SNo.	Name of the Fairs	Country	City	Date/Month
1	Intertex Tunisia	Tunisia	Sousse	17-19 Oct'24
2	Global Sourcing Expo	Australia	Melbourne	19-21 Nov'24
3	Dubai Active Show	UAE	Dubai	25-27 Oct'24
4	Textyle-expo	Algeria	Algiers	21-23 April'25
5	Bharat Tex	India	New Delhi	14-17 Feb'25

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