

eSUN: The High Value-added Packaging Applications of PLA
2024-04-29

Simultaneously focusing on bioplastics and eco-fibers, eSUN's biobased materials are viewed favorably for applications across various fields

01 Eco-fibers are further entering the vision of manufacturers

During the exhibition, discussions with exhibitors and attendees highlighted the growing interest in PLA fibers and non-woven fabrics in various fields, especially in sanitary materials and packaging applications.



PLA fibers and non-woven fabric products have good biocompatibility, dry and breathable properties, antibacterial and deodorizing properties, and biodegradability. On the one hand, they can meet the requirements of medical and sanitary products for skin-friendly comfort, antibacterial and odorless, suitable for people prone to allergies. On the other hand, their

biodegradability solves the problem of "white pollution" caused by disposable medical and sanitary products.



Application examples: Top and bottom layers of diapers and sanitary napkins; wet wipes, makeup remover pads, face towels, etc.

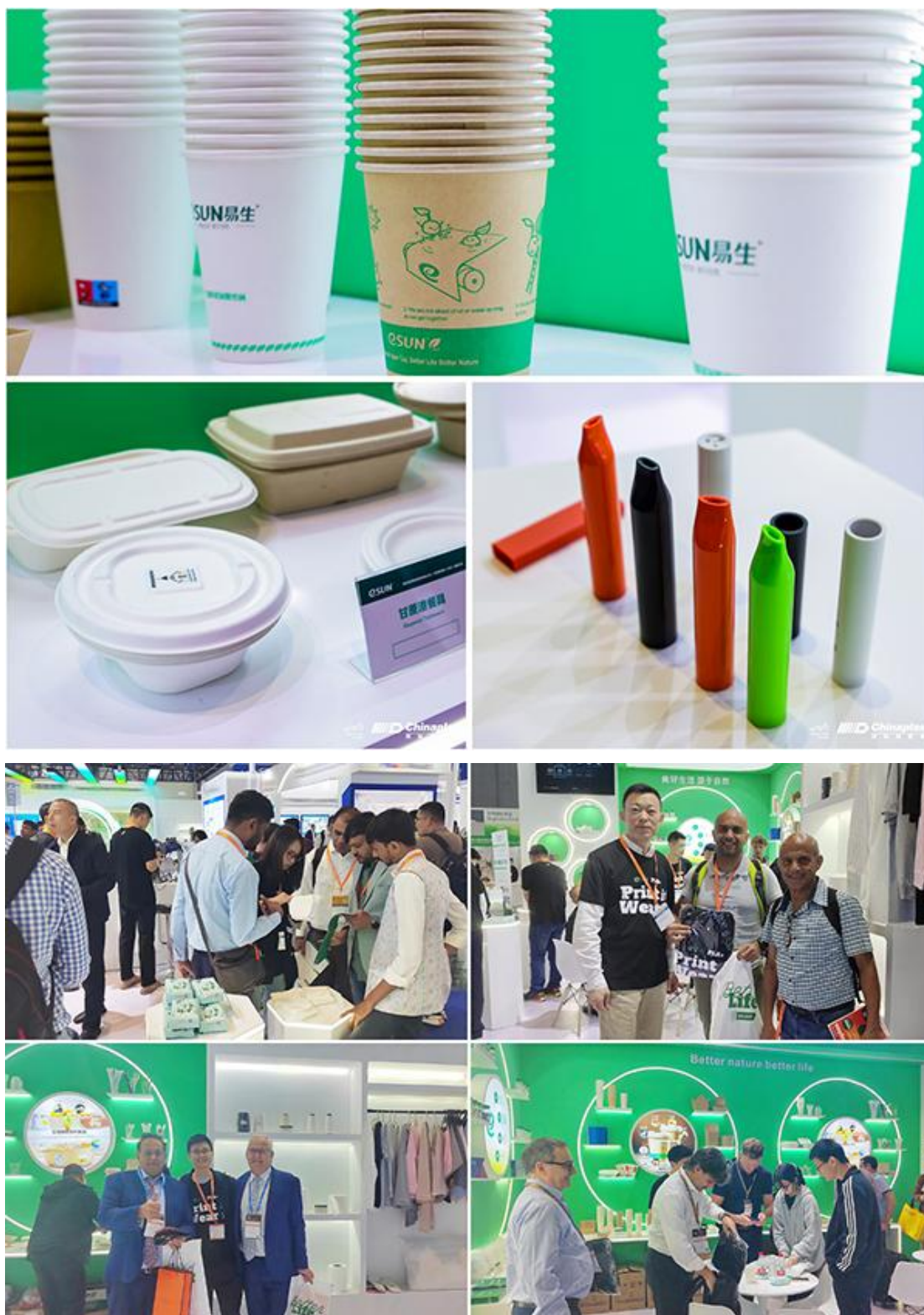
In addition, the application of PLA fibers in the direction of clothing fabrics and yarns is also continuously being explored and developed. Products made of 100% polylactic acid materials, such as quilts and blankets, have obvious advantages in antibacterial and

anti-mite properties and allergy resistance; polylactic acid T-shirts, pajamas, etc., are skin-friendly, smooth, breathable, and provide an excellent experience.



02 Biodegradable materials further penetrate into production and life

Managing plastic pollution remains a hot topic of social concern. Biodegradable materials have obvious advantages when applied to packaging and disposable tableware. At this rubber and plastics exhibition, eSUN's biodegradable materials, modified materials, and products still attracted many manufacturers for consultation. Among them, there were many users from other countries and regions.



03 A new productive force—the charm of 3D printing technology

At this rubber and plastics exhibition, eSUN displayed 3D printing equipment and materials, attracting many visitors to watch and consult. As a new productive force, the application of 3D printing technology

in production and life is gradually increasing. With material science making creation simpler, eSUN is committed to the research development and application exploration of 3D printing materials. In the future, with the development and progress of technology, equipment, and materials, 3D printing technology may have a broader application prospect.



As a leading global plastic and rubber exhibition, CHINAPLAS provides exhibitors with a wealth of market information. Through communication with exhibitors and visitors, we found that many users are further exploring new applications of PLA materials.

In the future, eSUN will continue to devote itself to the industrialization research of environmentally friendly materials, work with partners up and down the industrial chain, provide more sustainable solutions for global consumers, and contribute to the green and sustainable development of the rubber and plastics industry.