

AN OVERVIEW OF THE ECO-FRIENDLY LYOCELL FIBRE

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ABSTRACT

Inspired by the requisite of the world, it is always a struggle to maintain the exquisite balance amidst the Human race, Universe, and Profit. Using Lyocell contribute towards remodeling the ecological performance right through entire value chains, in such a way of enhancing the environmental benefit of the end products. Lyocell has previously proven itself in the textile industry. Lyocell fibre is predicted as Eco-Friendly fibre with remarkable application in the 21st century. The manufacture of Lyocell fibre employing N- methylmorpholine-N-oxide is innocuous and revocable. In our study, the raw materials required, Dope preparation, spinning process, properties and structure, fibrillation process and practical applications of Lyocell fibre were reviewed emphatically.

KEYWORDS: *NMMO, Cellulose, Dope, Dissolution, Crystallinity, Orientation, Amorphous, Skin contact comfort & Fibrillation*

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