

Amgen Seminar Series in Chemical Engineering  
in  
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Modification of polyester for medical uses

By

Professor Martin Bide  
Department of Textiles, Fashion Merchandising and Design  
University of Rhode Island

Polyester is now the world's biggest volume fiber with a wide range of enduses. Its strength and relative inertness make it useful in several medical applications, but it can still suffer complications of infection, blood clotting and a lack of compatibility with the body. Surface modification of the fiber prompted by established textile processes provides ways to incorporate or link a range of bioactive substances to overcome these problems. The same substances may also be incorporated into polyester solutions that can be electrospun as submicron scale fibers with even more interesting properties.

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