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Market tendencies and prospects of application of functional synthetic fiber mate-
rials are considered. Fiber-forming polymers and functional fillers used for making
modern fibrous materials are described. There has been a review of methods of chemi-
cal, physical, electrophysical, electrochemical and plasma modification of synthetic fi-
brous materials.

It is intended for bachelors and masters, studying in the direction of "Material sci-
ence and technology of materials".

Prepared at the department of Plasma Technology and Nanotechnology of High
Molecular Weight Materials.

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