

Synthetic fibers



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*This book is really gripping and intriguing. it was writtern very perfectly and beneficial. I am easily will get a enjoyment of looking at a created ebook.
(Jaeden Stiedemann Sr.)*

SYNTHETIC FIBERS



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Reference Series Books LLC Dez 2011, 2011. Taschenbuch. Book Condition: Neu. 247x192x9 mm. This item is printed on demand - Print on Demand Neuware - Source: Wikipedia. Pages: 53. Chapters: Kevlar, Nylon, Glass, Carbon, Spandex, Rayon, Viscose, Ultra-high-molecular-weight polyethylene, Polyester, Cellulose acetate, Polylactic acid, Aramid, Lyocell, Olefin fiber, Nomex, Metallic fiber, Zylon, Twaron, Cellulose triacetate, Vectran, Modacrylic, Polybenzimidazole fiber, Synthetic fiber, Poly(p-phenylene sulfide), PLGA, Cordura, CarbonCast, Art silk, Polydioxanone, Acrylic fiber, Vinalon, Nylon 6, Sorona, Saran, Basalt fiber, Azlon, Thinsulate, Bamboo fibre, Nylon 6-6, Paul Schlack, British Celanese, Polyacrylonitrile, Taklon, Innegra S, Celliant, PrimaLoft, Kevlar KM2, Ingeo, Modal, Retroglo, Technora, M5 fiber, Lastol, Darlexx, Conex, Vinyon, Elasterell, Dynel, Gold Flex, Tactel, Ban-Lon, Qiana, Acrilan, Derclon. Excerpt: Nylon is a generic designation for a family of synthetic polymers known generically as polyamides, first produced on February 28, 1935, by Wallace Carothers at DuPont's research facility at the DuPont Experimental Station. Nylon is one of the most commonly used polymers. Nylon is a thermoplastic silky material, first used commercially in a nylon-bristled toothbrush (1938), followed more famously by women's stockings ('nylons'; 1940). It is made of repeating units linked by amide bonds and is frequently referred to as polyamide (PA). Nylon was the first commercially successful synthetic polymer. There are two common methods of making nylon for fiber applications. In one approach, molecules with an acid (-COOH) group on each end are reacted with molecules containing amine (-NH₂) groups on each end. The resulting nylon is named on the basis of the number of carbon atoms separating the two acid groups and the two amines. These are formed into monomers of intermediate molecular weight, which are then reacted to form long polymer chains. Nylon was intended to be a synthetic replacement for silk and substituted for it in many different products after...



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