

Astm F1930 11

Handbook of Fire Resistant Textiles High Performance Technical Textiles Performance of Protective Clothing Technical Textiles Firefighters' Clothing and Equipment Handbook of Fibrous Materials, 2 Volumes Handbook of Technical Textiles An Introduction to Fire Dynamics Textile Materials for Good Health and Wellbeing Care and Maintenance of Textile Products Including Apparel and Protective Clothing Man-Machine-Environment System Engineering Performance of Protective Clothing Metals Handbook Asbestos and Fire Standard Handbook for Electrical Engineers ASTM Year Book Military Textiles Manikins for Textile Evaluation Proceedings F. Selcen Kilinc Roshan Paul Portia Dalecene Yarborough Mr. Rohit Manglik Guowen Song Jinlian Hu A. Richard Horrocks Dougal Drysdale Subramanian Sundaramoorthy Rajkishore Nayak Shengzhao Long American Society for Metals Rachel Maines Frank Fuller Fowle American Society for Testing Materials E. Wilusz Rajkishore Nayak American Concrete Institute. Annual Convention Handbook of Fire Resistant Textiles High Performance Technical Textiles Performance of Protective Clothing Technical Textiles Firefighters' Clothing and Equipment Handbook of Fibrous Materials, 2 Volumes Handbook of Technical Textiles An Introduction to Fire Dynamics Textile Materials for Good Health and Wellbeing Care and Maintenance of Textile Products Including Apparel and Protective Clothing Man-Machine-Environment System Engineering Performance of Protective Clothing Metals Handbook Asbestos and Fire Standard

Handbook for Electrical Engineers ASTM Year Book □□□□□□□□ Military Textiles Manikins for Textile Evaluation Proceedings *F. Selcen Kilinc Roshan Paul Portia Dalecene Yarborough Mr. Rohit Manglik Guowen Song Jinlian Hu A. Richard Horrocks Dougal Drysdale Subramanian Sundaramoorthy Rajkishore Nayak Shengzhao Long American Society for Metals Rachel Maines Frank Fuller Fowle American Society for Testing Materials □□□ E. Wilusz Rajkishore Nayak American Concrete Institute. Annual Convention*

given its importance to consumer safety fire resistant textiles are one of the fastest growing sectors in industrial textiles handbook of fire resistant textiles provides a comprehensive review of the considerable advances that have occurred in the field of fire resistant textiles in recent years it draws together scientific and technical expertise from around the world to produce an important source of current knowledge on fire resistant textiles and their use for protection in hostile environments part one provides an overview of fire resistant textiles chapters discuss burning and combustion mechanisms of textile fibers chemical modification of natural and synthetic fibers to improve flame retardancy multi component flame resistant coating techniques for textiles care and maintenance of fire resistant textiles along with the safety health and environmental aspects of flame retardants part two covers different types of fire resistant fibers and fabrics including flame retardant cotton wool ceramic fibers and blends composites and nonwovens part three reviews standards regulations and characterization of fire resistant textiles part four includes case studies of major applications of fire resistant textiles the handbook of fire resistant textiles is an invaluable resource for a broad spectrum of professionals in the textiles and apparel industries including textile and garment manufacturers engineers researchers designers developers and buyers provides a comprehensive review of the considerable advances that have occurred in the field of fire resistant textiles in recent years discusses burning and combustion mechanisms of textile fibers and chemical modification of

natural and synthetic fibers to improve flame retardancy covers different types of fire resistant fibers and fabrics including flame retardant cotton wool ceramic fibers and blends composites and nonwovens

an authentic resource for the fundamentals applied techniques applications and recent advancements of all the main areas of technical textiles created to be a comprehensive reference high performance technical textiles includes the review of a wide range of technical textiles from household to space textiles the contributors noted experts in the field from all the continents offer in depth coverage on the fibre materials manufacturing processes and techniques applications current developments sustainability and future trends the contributors include discussions on synthetic versus natural fibres various textile manufacturing techniques textile composites and finishing approaches that are involved in the manufacturing of textiles for a specific high performance application whilst the book provides the basic knowledge required for an understanding of technical textiles it can serve as a springboard for inspiring new inventions in hi tech fibres and textiles this important book contains a unique approach that offers a comprehensive understanding of the manufacturing and applications of technical textiles includes a general overview to the fundamentals current techniques end use applications as well as the most recent advancements explores the current standards in the industry and the ongoing research in the field offers a comprehensive and single source reference on the topic written for academics researchers and professionals working in textile and related industries high performance technical textiles offers a systematic structured logical and updated source of information for understanding technical textiles

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protective clothing and equipment used for firefighters protect them against their harsh working environment loaded with strong thermal hazards elevated environmental temperatures low oxygen concentration and smoke this book describes an in depth review of firefighting clothing and equipment and explicitly addresses the performance of protection and comfort in textile engineering clothing design and evaluation covered topics include protection and comfort requirements for firefighting clothing and equipment testing methods standards and performance evaluation smart firefighting clothing for first responders and numerical modeling of performance of firefighting clothing key features presents complete overview about the requirements of firefighters protective clothing thermal protective materials addresses performance of protection and comfort includes human thermoregulation system and responses to firefighting working environment discusses smart firefighting clothing and equipment suggests how to improve the wear comfort

edited by a leading expert in the field with contributions from experienced researchers in fibers and textiles this handbook reviews the current state of fibrous materials and provides a broad overview of their use in research and development volume one focuses on the classes of fibers their production and characterization while the second volume concentrates on their applications including emerging ones in the areas of energy environmental science and healthcare unparalleled knowledge of high relevance to academia and industry

the first edition of handbook of technical textiles has been an essential purchase for professionals and researchers in this area since its publication in 2000 with revised and updated coverage including several new chapters this revised two volume second edition reviews recent

developments and new technologies across the field of technical textiles volume 2 technical textile applications offers an indispensable guide to established and developing areas in the use of technical textiles the areas covered include textiles for personal protection and welfare such as those designed for ballistic protection personal thermal and fire protection and medical applications textiles for industrial transport and engineering applications including composite reinforcement and filtration and the growing area of smart textiles comprehensive handbook for all aspects of technical textiles provides updated detailed coverage of processes fabric structure and applications ideal resource for those interested in high performance textiles textile processes textile processing and textile applications many of the original recognized experts from the first edition update their respective chapters

drysdale s book is by far the most comprehensive everyone in the office has a copy now including me it holds just about everything you need to know about fire science review of an introduction to fire dynamics 2nd edition after 25 years as a bestseller dougal drysdale s classic introduction has been brought up to date and expanded to incorporate the latest research and experimental data essential reading for all involved in the field from undergraduate and postgraduate students to practising fire safety engineers and fire prevention officers an introduction to fire dynamics is unique in that it addresses the fundamentals of fire science and fire dynamics thus providing the scientific background necessary for the development of fire safety engineering as a professional discipline an introduction to fire dynamics includes experimental data relevant to the understanding of fire behaviour of materials features numerical problems with answers illustrating the quantitative applications of the concepts presented extensively course tested at worcester polytechnic institute and the university of edinburgh and widely adopted throughout the world will appeal to all those working in fire safety engineering and related disciplines

this book explores the application of latest technologies such as nanotechnology composite technology biotechnology in textile materials for health related applications it further discusses different types of textiles and their application in the areas of health safety and well being various topics covered in this book are medical textiles filtration textiles protective textiles thermal protective wear intelligent textiles and many more the book also deals with air and water filtration textiles and textile based personal protective equipments this book will be of interest for students researchers and professionals working in the area of textile engineering materials biomedical engineering defense healthcare and other allied fields

proper care and maintenance of textile materials is essential in prolonging their durability and appearance this books describes methods of care and maintenance for textile products focusing on types of laundering and dry cleaning processes chemicals and equipment while considering the environmental impacts of these procedures and green cleaning approaches it details care labelling of garments including electronic care labelling and instructions for different specialty textiles factors such as pilling abrasion snagging color fading and dimensional change are discussed this book also emphasizes care and maintenance of textiles used for protection from fire bullets cold weather and chemicals

this research topic was first established in china by professor shengzhao long in 1981 with direct support from one of the greatest modern chinese scientists xuesen qian in a letter to shengzhao long from october 22nd 1993 xuesen qian wrote you have created a very important modern science subject and technology in china mmese primarily focuses on the relationship between man machine and environment studying the optimum combination of man machine environment systems in this system man refers to working people as the subject in the

workplace e g operators decision makers machine is the general name for any object controlled by man including tools machinery computers systems and technologies and environment describes the specific working conditions under which man and machine interact e g temperature noise vibration hazardous gases etc the three goals of optimization are to ensure safety high efficiency and economy of man machine environment systems these proceedings are an academic showcase of the best papers selected from more than 400 submissions introducing readers to the top research topics and the latest developmental trends in the theory and application of mmese these proceedings are interdisciplinary studies on the concepts and methods of physiology psychology system engineering computer science environment science management education and other related disciplines researchers and professionals who study an interdisciplinary subject crossing above disciplines or researchers on mmese subject will be mainly benefited from these proceedings

for much of the industrial era asbestos was a widely acclaimed benchmark material during its heyday it was manufactured into nearly three thousand different products most of which protected life and property from heat flame and electricity it was used in virtually every industry from hotel keeping to military technology to chemical manufacturing and was integral to building construction from shacks to skyscrapers in every community across the united states beginning in the mid 1960s however this once popular mineral began a rapid fall from grace as growing attention to the serious health risks associated with it began to overshadow the protections and benefits it provided in this thought provoking and controversial book rachel maines challenges the recent vilification of asbestos by providing a historical perspective on americans changing perceptions about risk she suggests that the very success of asbestos and other fire prevention technologies in containing deadly blazes has led to a sort of historical amnesia about the very risks they were supposed to reduce asbestos and fire is not only the most

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金融资产或负债	公允价值
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应收账款	567,890
其他应收款	123,456
预付款项	78,901
其他流动资产	34,567
流动资产合计	2,039,371
长期股权投资	890,123
固定资产	456,789
无形资产	234,567
其他非流动资产	12,345
非流动资产合计	1,483,824
资产总计	3,523,195
应付账款	345,678
其他应付款	234,567
预收款项	123,456
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流动负债合计	782,602
长期借款	567,890
应付债券	345,678
其他非流动负债	12,345
非流动负债合计	925,913
负债合计	1,708,515
所有者权益合计	1,814,680
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textiles for military uniforms face a complex set of challenges they must provide protection durability and comfort in a wide range of hostile environments military textiles reviews the range of recent research on how military clothing can best meet soldiers needs the first part of the book reviews general requirements of military textiles including damage resistance comfort sweat management cold weather conditions and the integration of high tech materials into uniforms part ii concentrates on the protective role of military textiles covering such areas as high performance ballistic fibres textiles for chemical and biological protection camouflage materials and military fabrics for flame protection the book also reviews the use of non woven fabrics and new coatings for military applications with its distinguished editor and international team of contributors military textiles is a valuable reference for those researching and manufacturing military textiles as well as those interested in the wider area of textiles for protection reviews the range of recent research on how military clothing can best meet soldier s

needs examines damage resistance sweat management and comfort discusses the protective role of military textiles

manikins for textile evaluation is a key resource for all those engaged in textile and apparel development and production and for academics engaged in research into textile science and technology creating garments that work with the human form both stationary and in motion is a complex task that requires extensive testing and evaluation manikins allow for performance testing of textiles in a safe controlled and appropriate environment and are a key element in developing new textile products everyday apparel needs to be assessed for comfort sizing and fit and ergonomics while technical and protective garments require extensive safety and performance testing manikins therefore range from simple representations of the human body to complex designs that simulate body temperature sweating and motion manikins are safe for use in hazardous testing environments such as fire and flame protection where wearer trials would be impossible this book provides extensive coverage of manikin based evaluation of protective heat and flame resistant medical and automotive textile applications the role of manikins in the development of day to day garments is also discussed including fit comfort and ergonomics the book is a key resource for all those engaged in textile and apparel development and production and for academics engaged in research into textile science and technology delivers theoretical and practical guidance on evaluation using manikins that is of benefit to anyone developing textile products offers a range of perspectives on high performance textiles from an international team of authors with diverse expertise in academic research and textile development and manufacture provides systematic and comprehensive coverage of the topic from fabric construction through product development to the range of current and potential applications that exploit high performance textile technology

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