Medical Device Packaging Materials

Packaging for Terminally Sterilized Medical Devices. Adhesive Coated Nonwoven Materials of Polyolefines. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Adhesive Coated Paper for the Manufacture of Heat Sealable Packs for Medical Use for Sterilization by Ethylene Oxide Or Irradiation. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Paper for the Manufacture of Packs for Medical Use for Sterilization by Ethylene Oxide Or Irradiation. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Adhesive Coated Nonwoven Materials of Polyolefines. Requirements and Test Methods

Packaging for Terminally Sterilized Medical Devices. Uncoated Nonwoven Materials of Polyolefines. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Paper Bags. Requirements and Test Methods

Packaging Systems Medical Device Packaging

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Sterilization Wrap. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Heat and Self-sealable Pouches and Reels of Paper and Plastic Film Construction. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Sealable Pouches and Reels of Porous and Plastic Film Construction. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Re-usable Sterilization Containers for Steam Sterilizers Conforming to en 285. Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. General Requirements and Test Methods

Packaging Materials and Systems for Medical Devices which are to be Sterilized. Uncoated Nonwoven Materials of Polyolefines for Use in the Manufacture of Heat Sealable Pouches, Reels and Lids. Requirements and Test Methods

Packaging for Terminally Sterilized Medical Devices. Paper for Use in the Manufacture of Paper Bags (specified in en 868-4) and in the Manufacture of Pouches and Reels (specified in en 868-5). Requirements and Test Methods

Packaging for Terminally Sterilized Medical Devices. Adhesive Coated Paper for Low Temperature Sterilization Processes. Requirements and Test Methods
Performance testing, Quality, Performance, Sterile equipment, Packaging materials, Compatibility, Medical instruments, Packages, Wrapping, Medical equipment, Sterilization (hygiene), Quality assurance systems, Seals, Packaging, Test methods, Design
Paper products, Porosity, Sterile equipment, Containers, Weight tolerances, Sterilization (hygiene), Water-resistance tests, pH, Determination of content, Packaging materials, Performance, Packaging, Optical properties of materials, Medical equipment, Paper, Paper bags, Drums (materials handling equipment), Tear strength, Air permeability, Tensile strength, Medical instruments, Fluorescence, Marking, Performance testing, Porosity measurement
Packaging materials, Packaging, Medical equipment, Medical instruments, Sterilization (hygiene), Sterile equipment, Wrapping paper, Paper, Crepe paper, Performance, Weight (mass), pH, Optical properties of materials, Electrical resistivity, Tensile strength, Tear strength, Porosity measurement, Water-resistance tests, Air permeability, Porosity, Drape determination (textiles), Elongation at fracture, Marking, Testing conditions, Test equipment, Specimen preparation, Mathematical calculations, Dimensions, Dimensional tolerances

Packaging materials, Packaging, Medical equipment, Medical instruments, Sterilization (hygiene), Sterile equipment, Polyolefin fibres, Polyolefins, Heat-sealing materials, Strength of materials
Packaging materials, Packaging, Medical equipment, Medical instruments, Sterilization (hygiene), Sterile equipment, Wrapping paper, Paper, Crepe paper, Performance, Weight (mass), pH, Optical properties of materials, Electrical resistivity, Tensile strength, Tear strength, Porosity measurement, Water-resistance tests, Air permeability, Porosity, Drape determination (textiles), Elongation at fracture, Marking, Testing conditions, Test equipment, Specimen preparation, Mathematical calculations, Dimensions, Dimensional tolerances

A guide to help manufacturers, engineers, designers, and suppliers of medical products evaluate the design, materials, and technology of their packaging. Highlights recent developments in the field, and presents information on current industry standards and practices, and regulation. Provides details of materials and specifications, sterilization methods, distribution test cycles, labeling criteria, bar coding, autoclave systems, and other topics. Annotation (c) 2003 Book News, Inc., Portland, OR (booknews.com)

Packaging materials, Packaging, Medical equipment, Medical instruments, Sterilization (hygiene), Sterile equipment, Adhesives, Coatings, Coated materials, Polyolefin fibres, Polyolefins, Heat-sealing materials, Drums (materials handling equipment), Lids

Significant progress has been made in advanced packaging in recent years. Several new packaging techniques have been developed and new packaging materials have been introduced. This book provides a comprehensive overview of the recent developments in this industry, particularly in the areas of microelectronics, optoelectronics, digital health, and bio-medical applications. The book discusses established techniques, as well as emerging technologies, in order to provide readers with the most up-to-date developments in advanced packaging.


Plastics currently form one of the most important components of the medical industry. Medical device designers and engineers increasingly prefer plastics to conventional packaging materials such as metals owing to superior flexibility offered by plastics in fabrication process. Advancements in sterilization techniques shift towards disposable devices, development of enhanced plastic materials, and technological innovations are factors driving the overall market growth and expansion. The development of novel materials such as biocompatible polymers for use in medical implants will furthermore provide the required impetus for the global medical plastics market. Every day, plastics are involved in critical surgeries, life saving efforts, and routine medical procedures. Plastic materials can be sterilized hundreds of times without degradation. Lightweight plastics are used to form replacement joints, non surgical supports, and therapy equipment. Clear plastics provide visibility for transfusions, surgeries, and diagnostic equipment of all kinds and plastics can be machined, molded, or formed into almost any shape imaginable. The use of plastics in health care field encompasses several distinct markets. Plastic is used on a large scale as medical devices like disposable syringes, optical and dental products, heart valves, contact lenses and many more medical products. This way plastic has very importance in making medical devices. The medical plastics industry is set to expand rapidly over the next decade taking up increasing proportions of GDP, as countries provide healthcare to an ageing population, access to medicine expands in developing regions and new technology is developed. This book basically deals with significance of packaging for pharmaceuticals & medical industry, tablets & capsules liquids, creams and ointments, OPVC, OPP and oriented and non oriented pet containers, blister trays for ampoules, cartridge tubes etc., shrink packaging and stretch wrapping, conducting health based risk assessments of medical materials, performance properties of metalloocene polyethylene, EVA, and flexible PVC films, polyurethane thin film welding for medical device applications, polyurethane film as an alternative to PVC and latex, opportunities for PVC replacement in medical solution containers, thermoplastic silicone urethane copolymers : a new class of biomedical elastomers, selecting materials for medical products : from PVC to metalloocene polyolefins, injection molding engineering plastics, assessing the performance and suitability of parylene coating etc. The present book contains the important information of plastics in medical field and their uses in various ways. This is very useful book for entrepreneurs, researchers, technocrats and technical institutions.
products, Plastics, Plastic films, Containers, Drums (materials handling equipment), Heat-sealing, Composite materials, Performance, Performance testing, Strength of materials, Marking, Specimen preparation, Testing conditions, Holes, Stain tests, Peeling tests, Joints, Mechanical testing, Wet-strength tests, Visual inspection (testing), Fibres, Dimensions, Dimensional tolerances, Size
This volume details current developments in industry practices and standards relating to medical device packaging. This edition offers entirely new as well as revised chapters on packaging materials, package validation and methods and integrity testing, bar-coding technology, environmentally sound packaging and disposal procedures, storage autoclav
The second edition of this bestselling title examines how sterilization methods affect the properties of plastics and elastomers. It provides the comprehensive detail necessary to make first evaluations, materials comparisons, and final decisions in applications pursuits. Packaging materials, Packaging, Medical equipment, Medical instruments, Sterilization (hygiene), Sterile equipment, Polyolefin fibres, Polyolefins, Heat-sealing materials, Drums (materials handling equipment), Lids
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