



Title: Standards for Surgical Gowns and Isolation Gowns and Their Medical Applications

Date/Time: 19 January, 2:30 PM (EEST)/7:30 AM (EST)

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About the Session

Healthcare protective clothing, including surgical and isolation gowns, is worn by healthcare workers to protect both the patient and the healthcare worker from the transfer of microorganisms, body fluids, and other contaminants from one person to another. The two specifications covered in this technical session help to establish uniform testing and reporting requirements for gown manufacturers in order to provide information to end users that can be used in making informed decisions in the selection and purchase of gowns according to the anticipated exposures. Testing for “seam strength”, a key factor in barrier performance and physical property performance, will also be covered in detail. During this technical session, presenters will provide a general overview of the following standards ASTM standards, as well as describing the significance of ANSI/AAMI PB70 Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for Use in Healthcare Facilities.

ASTM F2407-20 Standard Specification for Surgical Gowns Intended for Use in Healthcare Facilities
ASTM F3352-19 Standard Specification for Isolation Gowns Intended for Use in Healthcare Facilities

ASTM D751-19 Standard Test Methods for Coated Fabrics
ASTM D1683/D1683M-17(2018) Standard Test Method for Failure in Sewn Seams of Woven Fabrics

Learning Objectives

- A basic understanding of the four levels of barrier properties for surgical and isolation gowns
- A review of the performance requirements established for important physical properties, including tensile strength, tear resistance, and seam strength.
- Tests for seam strength
- Other characteristics to be considered, even though no tests are available for their validation.

Who Should Attend?

- Government authorities that regulate public health and the provision of protective products for both healthcare and the general public
- Government officials involved in the approval or clearance of healthcare protective clothing
- Manufacturers of gowns and related products
- Individuals involved the development of standards for manufacture of gowns or their use
- Members of organizations representing healthcare end users and other workers
- Professionals involved in research for disease transmission or individual protection