



## ASTM International Technical Committee F02 on Primary Barrier Packaging

### Scope

The scope of the Committee shall include the development of standards for physical, chemical, and barrier properties of primary barrier packaging materials and the promotion of research in this field. The committee's focus includes the component materials, their properties, and primary package design, development, and production.

A primary barrier packaging is defined as a package constructed from porous or nonporous barrier materials and designed to control or eliminate the passage of gas vapor, humidity, liquid, microbes, and light into or out from the package and is in direct contact with the contents.

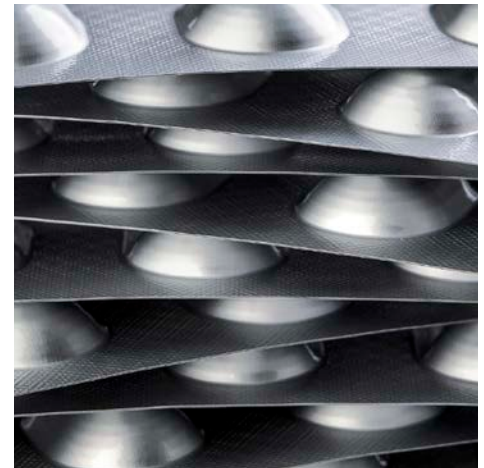
Typical primary barrier packaging materials are papers, nonwovens, plastic films, rigid plastics, glass, and metal foils, used alone, treated, or in various combinations. Typical primary barrier packages include but are not limited to bottles, vials, pouches, blisters, and trays. Recognition shall be made of related national and international standards with the encouragement of full participation in those activities. Standards under the jurisdiction of other committees shall be used when applicable.

### Technical Subcommittees

- F02.10 Permeation
- F02.15 Chemical/Safety Properties
- F02.20 Physical Properties
- F02.25 Rigid Container Closure Systems
- F02.30 Mechanical Dispensers
- F02.40 Package Integrity
- F02.50 Package Design and Development

### Key Documents

- D1434 Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting
- F88/F88M Standard Test Method for Seal Strength of Flexible Barrier Materials
- F1140/F1140M Standard Test Methods for Internal Pressurization Failure Resistance of Unrestrained Packages
- F1249 Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor
- F1929 Standard Test Method for Detecting Seal Leaks in Porous Medical Packaging by Dye Penetration
- F1980 Standard Guide for Accelerated Aging of Sterile Barrier Systems for Medical Devices
- F2096 Standard Test Method for Detecting Gross Leaks in Packaging



### Quick Facts

**Established** 1957

**Number of Members** 210+

**Number of Standards** 61

**Global Participation**

18 Countries represented

**The standards are available in**

Volume 15.10 in the *Annual Book of ASTM Standards*

**Meetings** F02 meets twice each year, in April and October

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