

ASTM Packaging and Shipping Container Standards

Table of Contents

- D0642 Standard Test Method for Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads
- D0685 Standard Practice for Conditioning Paper and Paper Products for Testing
- D0880 Standard Test Method for Impact Testing for Shipping Containers and Systems
- D0882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- D0951 Standard Test Method for Water Resistance of Shipping Containers by Spray Method
- D0996 Standard Terminology of Packaging and Distribution Environments
- D0999 Standard Test Methods for Vibration Testing of Shipping Containers
- D1185 Standard Test Methods for Pallets and Related Structures Employed in Materials Handling and Shipping
- D1596 Standard Test Method for Dynamic Shock Cushioning Characteristics of Packaging Material
- D1974 Standard Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes
- D1975 Standard Test Method for Environmental Stress Crack Resistance of Plastic Injection Molded Open Head Pails
- D2221 Standard Test Method for Creep Properties of Package Cushioning Materials
- D2561 Standard Test Method for Environmental Stress-Crack Resistance of Blow-Molded Polyethylene Containers
- D2658 Standard Test Method for Determining Interior Dimensions of Fiberboard Boxes (Box Gage Method)
- D2860 Standard Test Method for Adhesion of Pressure-Sensitive Tape to Fiberboard at 90° Angle and Constant Stress
- D3078 Standard Test Method for Determination of Leaks in Flexible Packaging by Bubble Emission
- D3079 Standard Test Method for Water Vapor Transmission of Flexible Heat-Sealed Packages for Dry Products
- D3103 Standard Test Method for Thermal Insulation Performance of Distribution Packages
- D3330 Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape
- D3332 Standard Test Methods for Mechanical-Shock Fragility of Products, Using Shock Machines
- D3580 Standard Test Methods for Vibration (Vertical Linear Motion) Test of Products
- D3611 Standard Practice for Accelerated Aging of Pressure-Sensitive Tapes
- D3654 Standard Test Methods for Shear Adhesion of Pressure-Sensitive Tapes
- D3759 Standard Test Method for Breaking Strength and Elongation of Pressure-Sensitive Tape
- D3889 Standard Test Method for Adherence to Linerboard of Pressure-Sensitive Tape at Low Temperature
- D3950 Standard Specification for Strapping, Nonmetallic (and Joining Methods)
- D3951 Standard Practice for Commercial Packaging
- D3953 Standard Specification for Strapping, Flat Steel and Seals
- D4003 Standard Test Methods for Programmable Horizontal Impact Test for Shipping Containers and Systems
- D4168 Standard Test Methods for Transmitted Shock Characteristics of Foam-in-Place Cushioning Materials
- D4169 Standard Practice for Performance Testing of Shipping Containers and Systems
- D4279 Standard Test Methods for Water Vapor Transmission of Shipping Containers-Constant and Cycle Methods

- D4332 Standard Practice for Conditioning Containers, Packages, or Packaging Components for Testing
- D4649 Standard Guide for Selection and Use of Stretch Wrap Films
- D4577 Standard Test Method for Compression Resistance of a Container Under Constant Load
- D4675 Standard Guide for Selection and Use of Flat Strapping Materials
- D4727 Standard Specification for Corrugated and Solid Fiberboard Sheet Stock (Container Grade) and Cut Shapes
- D4728 Standard Test Method for Random Vibration Testing of Shipping Containers
- D4919 Standard Guide for Testing of Hazardous Materials Packagings
- D4991 Standard Test Method for Leakage Testing of Empty Rigid Containers by Vacuum Method
- D5077 Standard Terminology Relating to Electrostatic Discharge (ESD) Packaging Materials
- D5094 Standard Test Methods for Gross Leakage of Liquids from Containers with Threaded or Lug-Style Closures
- D5112 Standard Test Method for Vibration (Horizontal Linear Motion) Test of Products
- D5118 Standard Practice for Fabrication of Fiberboard Shipping Boxes
- D5168 Standard Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers
- D5264 Standard Practice for Abrasion Resistance of Printed Materials by the Sutherland Rub Tester
- D5265 Standard Test Method for Bridge Impact Testing
- D5276 Standard Test Method for Drop Test of Loaded Containers by Free Fall
- D5277 Standard Test Method for Performing Programmed Horizontal Impacts Using an Inclined Impact Tester
- D5330 Standard Specification for Pressure-Sensitive Tape for Packaging, Filament-Reinforced^{1, 2}
- D5331 Standard Test Method for Evaluation of Mechanical Handling of Unitized Loads Secured with Stretch Wrap Films
- D5415 Standard Test Method for Evaluating Load Containment Performance of Stretch Wrap Films by Vibration Testing
- D5445 Standard Practice for Pictorial Markings for Handling of Goods
- D5486 Standard Specification for Pressure-Sensitive Tape for Packaging, Box Closure, and Sealing^{1, 2}
- D5487 Standard Test Method for Simulated Drop of Loaded Containers by Shock Machines
- D5570 Standard Test Method for Water Resistance of Tape and Adhesives Used as Box Closures
- D5571 Standard Test Method for Environmental Stress Stress Crack Resistance (ESCR) of Plastic Tighthead Drums
- D5639 Standard Practice for Selection of Corrugated Fiberboard Materials and Box Construction Based on Performance Requirements
- D5663 Standard Guide for Validating Recycled Content in Packaging Paper and Paperboard
- D5728 Standard Practices for Securement of Cargo in Intermodal and Unimodal Surface Transport
- D5749 Standard Specification for Reinforced and Plain Gummed Tape for Sealing and Securing
- D6039 Standard Specification for Open and Covered Wood Crates
- D6055 Standard Test Methods for Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates
- D6123 Standard Specification for Pressure-Sensitive Tape for Light-Duty Packaging and General Purpose Masking

- D6179 Standard Test Methods for Rough Handling of Unitized Loads and Large Shipping Cases and Crates
- D6198 Standard Guide for Transport Packaging Design
- D6199 Standard Practice for Quality of Wood Members of Containers and Pallets
- D6251 Standard Specification for Wood-Cleated Panelboard Shipping Containers
- D6253 Standard Practice for Treatment and/or Marking of Wood Package Materials
- D6254 Standard Specification for Wirebound Pallet-Type Wood Boxes
- D6295 Standard Test Method for Dispensability of Light-Duty Pressure-Sensitive Film Tape
- D6344 Standard Test Method for Concentrated Impacts to Transport Packages
- D6534 Standard Test Method for Determining the Peak Force-to-Actuate of a Mechanical Pump Dispenser
- D6537 Standard Practice for Instrumented Package Shock Testing for Determination of Package Performance
- D6590 Standard Specification for Pressure-Sensitive Tape for Sealing Fiber Containers and Cans1,
- D6573 Standard Specification for General Purpose Wirebound Shipping Boxes
- D6653 Standard Test Methods for Determining the Effects of High Altitude on Packaging Systems by Vacuum Method
- D6804 Standard Guide for Hand Hole Design in Corrugated Boxes
- D6880 Standard Specification for Wood Boxes
- D6881 Standard Classification for Standard Plastics Industry Bulk Box/Pallet Unit Size Classified by Bulk Density
- D7030 Standard Test Method for Short Term Creep Performance of Corrugated Fiberboard Containers Under Constant Load Using a Compression Test Machine
- D7386 Standard Practice for Performance Testing of Packages for Single Parcel Delivery Systems
- D7387 Standard Test Method for Vibration Testing of Intermediate Bulk Containers Used for Shipping Liquid Hazardous Materials
- E0096 Standard Test Methods for Water Vapor Transmission of Materials

