



ASTM International Technical Committee D20 on Plastics

Established: 1937

Number of Members: 970+

Number of Standards: 472

Global Participation: 40 Countries represented

The standards are available in: Section 8 on Plastics *Annual Book of ASTM Standards*

Meetings: D20 meets twice each year, in April and November

SCOPE:

The development of test methods, specifications, recommended practices, nomenclature, definitions, and the stimulation of research relating to plastics, their raw materials, components, and compounding ingredients, and to finished products made from plastics such as sheets, rods, tubes, pipes, cellular materials, and molded or fabricated articles.

GENERAL OVERVIEW:

The technical subcommittees of D20 collectively encompass four primary areas: test methods, materials, products, and special interest.

The test method development subcommittees work on the mechanical, thermal, optical, permanence and durability, and analytical properties of plastics. The materials subcommittees cover numerous types of plastics used by diverse industries, including cellular, olefin and reinforced plastics, thermoplastic and thermosetting materials, and film and sheeting. Product subcommittees address plastic building products (i.e., plastic lumber and vinyl siding) as well as recycled plastics and the new area of environmentally degradable plastics and biobased products. Special interest subcommittees support the work of the technical subcommittees through such groups as statistics and terminology.

KEY DOCUMENTS:

- D638 Standard Test Method for Tensile Properties of Plastics
- D790 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
- D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- D6400 Standard Specification for Compostable Plastics

Visit the ASTM

Committee D20 Webpage:

<http://www.astm.org/COMMIT/D20.htm>

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LIST OF D20 SUBCOMMITTEES AND SECTIONS:

- D20.09 Specimen Preparation
- D20.10 Mechanical Properties
 - D20.10.01 Short Term (Quasi-Static) Properties
 - D20.10.02 Impact and High Speed Properties
 - D20.10.15 Dynamic Mechanical Properties
 - D20.10.18 Surface Properties
 - D20.10.23 Residual Strain Measurement
 - D20.10.24 Engineering and Design Properties
- D20.13 Statistical Methods
- D20.15 Thermoplastic Materials
 - D20.15.01 Polyethylene Plastics
 - D20.15.02 Acrylic Plastics
 - D20.15.03 Styrenic Plastics
 - D20.15.04 Polypropylene Plastics
 - D20.15.07 Vinyl Chloride Polymers
 - D20.15.09 Polyamides
 - D20.15.12 Fluoropolymers
 - D20.15.17 Polycarbonate Plastics
 - D20.15.18 Acetal Plastics
 - D20.15.21 Thermoplastic Polyesters
 - D20.15.25 Thermoplastic Elastomers
- D20.16 Thermosetting Materials
- D20.18 Reinforced Thermosetting Plastics
 - D20.18.02 Pultruded Shapes
- D20.19 Film and Sheetting
- D20.20 Plastic Products
 - D20.20.01 Manufactured Recycled Plastic Lum-ber and Shapes
 - D20.20.02 Rods, Sheets, Tabular Bars and Plaques
 - D20.20.03 Plastic Thin-Walled Bottles
 - D20.20.04 Systems For Marine/Waterfront Ap-plications
- D20.22 Cellular Materials - Plastics and Elasto-mers
- D20.23 Reinforced Plastic Piping Systems and Chemical Equipment
- D20.24 Plastic Building Products
- D20.25 Computerized Data Acquisition and Interpretation
- D20.30 Thermal Properties
 - D20.30.03 Combustion Characteristics
 - D20.30.07 Fundamental Thermal Properties
 - D20.30.08 Thermal Processing Properties
- D20.40 Optical Properties
- D20.50 Durability of Plastics
- D20.61 US TAG ISO/TC-61 on Plastics
- D20.70 Analytical Methods
 - D20.70.01 Physical Methods
 - D20.70.02 Chromatography
 - D20.70.05 Molecular Parameters
 - D20.70.08 Spectroscopic Methods
- D20.90 Executive
 - D20.90.01
- D20.92 Terminology
- D20.93 Advisory
- D20.94 Government/Industry Standardization
- D20.95 Recycled Plastics
- D20.96 Environmentally Degradable Plastics and Biobased Products

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