



# ASTM COMPASS<sup>®</sup>

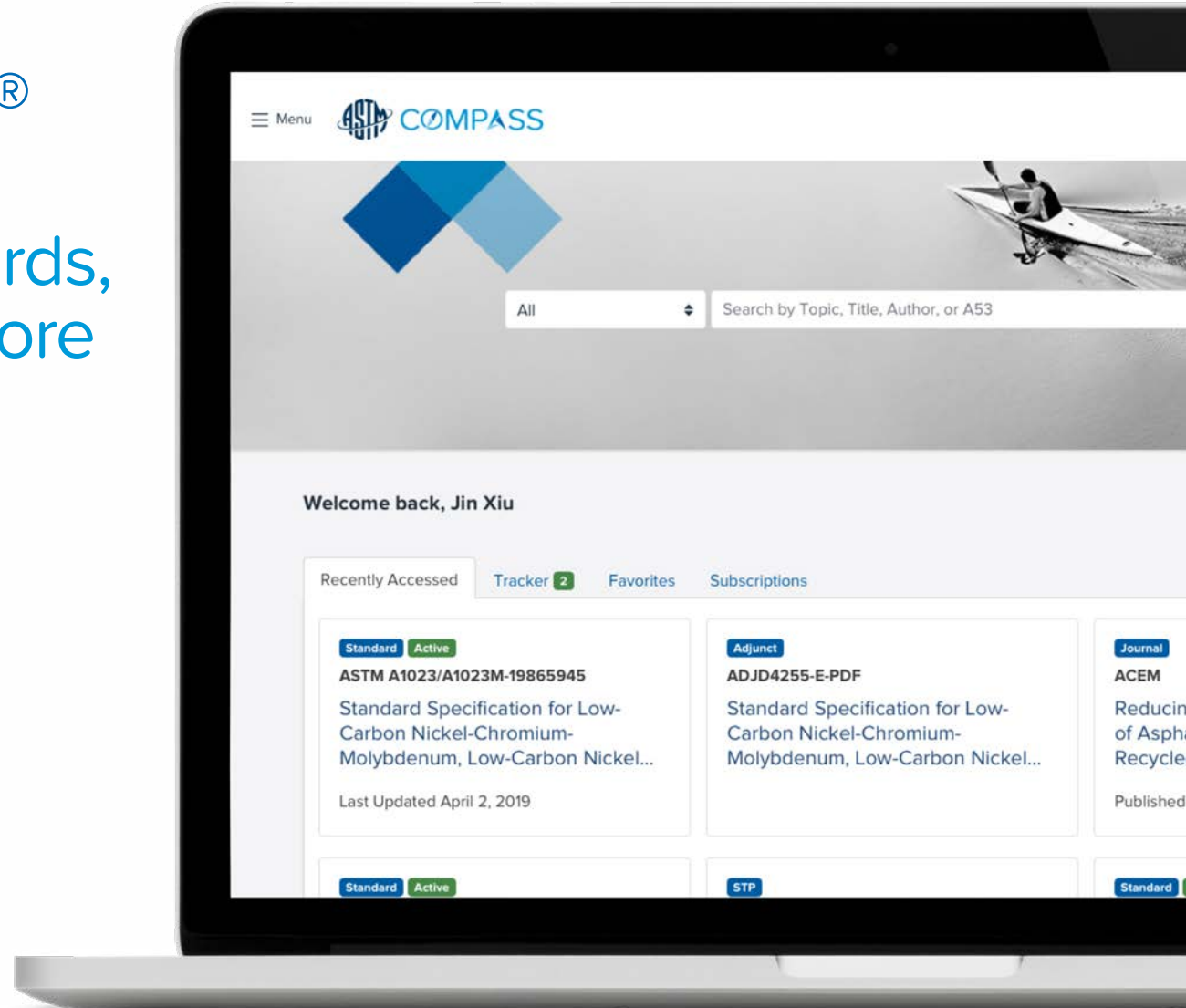
Your Portal for Standards,  
Testing, Learning & More

## Quick Reference Guide

Thank you for subscribing to ASTM Compass<sup>®</sup> — an easy-to-use solution for accessing, managing and sharing technical information organization-wide.

Combining proven industry standards and technical publications with intuitive management tools, ASTM Compass enables you tackle mission-critical work with a greater expertise, speed and efficiency.

compass.astm.org



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# Accessing Compass with a Shared Login

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## Navigation

Click here to navigate the different collaboration features of ASTM Compass®

## Search

Select specific collection from which to search.

## Search

Type in your standard designation or other search terms here.

## Recently Updated

Here you'll find new changes to standards.

## Compass Tip & Tricks

For demonstrations of how to use collaboration tools click here.

Identify changes between different versions of your standards.

## Social Media

See content published on ASTM International's social media platforms.

The screenshot shows the ASTM Compass dashboard interface. At the top, there is a navigation menu with the ASTM logo and the word 'COMPASS'. To the right of the menu are user options: 'EN', 'Help', a profile icon, and 'Name'. Below the menu is a search bar with a dropdown menu set to 'All' and a search icon. The main content area features a personalized welcome message from 'Honeywell' and two tabs: 'Recently Updated' and 'Subscriptions'. Under 'Recently Updated', there are six cards for standards, including ASTM A1023/A1023M-19865945 and STP12-EB. Below the standards are sections for 'Compass Tips & Tricks' (with 'Compass Notes' and 'Version Comparison' links) and 'ASTM Community' (with links for 'Technical Committees', 'Membership', 'MyASTM', 'Meetings & Symposia', and 'Publish with ASTM'). The footer contains the ASTM International logo, social media icons, and copyright information.

## Languages

Choose language for your dashboard here.

## Personalized Account

Find details about your account, including your name, email, address and phone number.

## Help & Support

Contact customer service or watch video tutorials here.

## Organization Logo

This indicates you're logged into your organization's shared account.

## Subscriptions

Access your content from specific publishers here.

## ASTM Community

From Technical Committees: Explore all of ASTM's standards development groups here.

**Membership:** Learn about how to become an ASTM member here.

**MyASTM:** Access your member content here.

**Meetings & Symposia:** Find out about upcoming events here.

**Publish with ASTM:** Learn about how to get your research included in an ASTM publication.

# Accessing Compass with an Individual Login

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## Navigation

Click here to navigate the different collaboration features of ASTM Compass®

## Search

Select specific collection from which to search.

## Search

Type in your standard designation or other search terms here.

## Track Changes

Here you'll find new changes to standards.

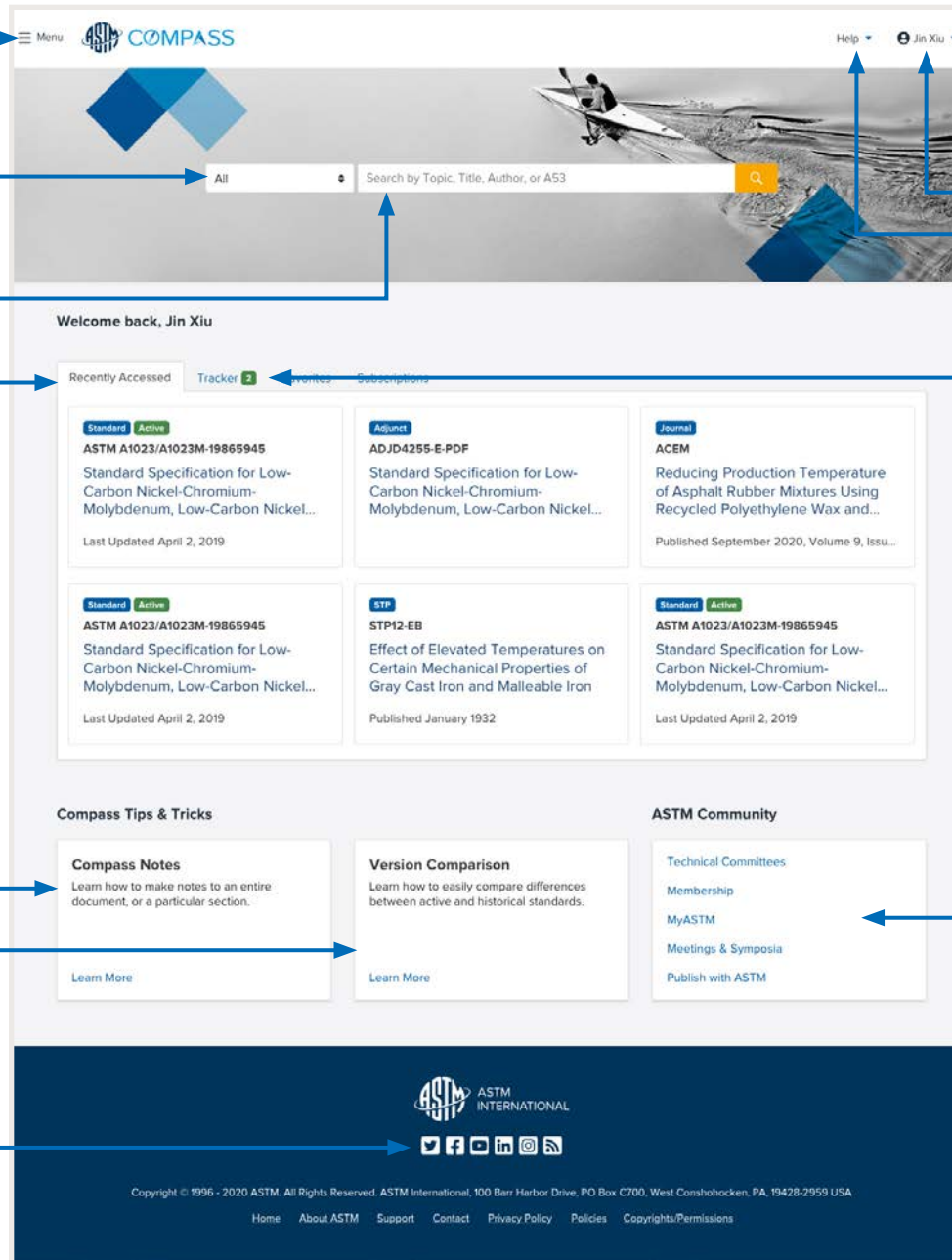
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# Using ASTM Books and Journals

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All ASTM Books and Journals content such as Journals, etc. may be downloaded and printed.

The screenshot shows the ASTM COMPASS search results page for the query 'SSMS'. The page displays 158 results, with the first 10 items visible. Each item includes the publication date, the volume and issue number, and the title. A blue arrow points from the text on the left to the first result.

Published Date	Volume / Issue	Title
Sep 29, 2020	ASTM Volume 4, Issue 1	Toward Model-Based Integration Specifications to Secure the Extended Enterprise
Oct 18, 2020	ASTM Volume 4, Issue 3	Lessons Learned from the COVID-19 Pandemic and Their Possible Consequences on Manufacturing
Jul 28, 2020	ASTM Volume 5, Issue 2	Team-based Learning of Sustainability: Incorporation of Sustainability Concept and Assessment into Chemical Engineering Senior Design Course
Dec 11, 2018	ASTM Volume 2, Issue 1	Learn to Learn: Application to Topology Optimization
Nov 30, 2019	ASTM Volume 3, Issue 2	Graph-Based Metamodeling for Characterizing Cold Metal Transfer Process Performance
Mar 17, 2020	ASTM Volume 4, Issue 1	Effect of Vegetable Oil-Based Hybrid Nano-Cutting Fluids on Surface Integrity of Titanium Alloy in Machining Process
Jul 28, 2020	ASTM Volume 4, Issue 2	The State of Integrated Computer-Aided Manufacturing/Computer Numerical Control: Prior Development and the Path Toward a Smarter Computer Numerical Controller
Nov 29, 2017	ASTM Volume 1, Issue 1	Life Cycle Energy Impacts of Automotive Electronics
Aug 18, 2020	ASTM Volume 4, Issue 1	Modeling of the Vibratory Tube Finisher Container

# Historical, Withdrawn, or Translated Standards and Work Items

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Search results will indicate whether the document is active, historical, or withdrawn. You'll notice these labels above the document title.

Download a standard here.

Historical versions are also listed under each full-titled active standard.

Menu COMPASS Help Jin Xiu

All Search by Topic, Title, Author, or AS3

Track Document Add to Favorites Download Compare Versions

Standard **Active** Last Updated: Feb 22, 2017 Translation: English Other Versions

**ASTM A1023/A1023M-1986S945**

**Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel Steel Ropes**

HTML PDF Work Items Visual Content Related Content

This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

**In This Standard**

- Section 1 Scope
- Section 2 Referenced Documents
- Section 3 Terminology
- Section 4 Ordering Information
- Section 5 Material
- Section 6 Rope Properties and Tolerances
- Section 7 Rope Workmanship and Finish
- Section 8 Testing and Compliance
- Section 9 Packaging and Identification
- Section 10 Keywords

SUMMARY OF CHANGES

Footnotes

**1. Scope**

1.1 This specification covers the general requirements for the more common types of steel wire ropes. Included in this specification are wire ropes in various grades and constructions from 1/4 in. [6 mm] to 3 1/2 in. [89 mm] manufactured from uncoated or metallic coated wire. Also included are cord products from 1/32 in. [0.8 mm] to 3/8 in. [10 mm] manufactured from metallic coated wire. For specific applications, additional or alternative requirements may apply.

1.2 The values stated in either inch-pounds or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformance with the specification.

1.3 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

**2. Referenced Documents**

2.1 ASTM Standards:2

A931 Test Method for Tension Testing of Wire Ropes and Strand

A1007 Specification for Carbon Steel Wire for Wire Rope

Use the HTML view of a document when you prefer to view the text larger than is provided in the typeset PDF view of the document. With both types of documents, you may download a copy to your device.

The screenshot displays the ASTM COMPASS interface. At the top, there is a navigation bar with the COMPASS logo and a search bar. Below the search bar, a comparison tool is visible, showing two document IDs: ASTM A1023/A1023M-19865945-17 and ASTM A1023/A1023M-19865945-06. The main content area is titled "Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel Steel Ropes". It features a "Standard" label and a "Details" sidebar on the right. The document content is presented in a large, readable font, with sections for "1. Scope", "2. Referenced Documents", and "3. Terminology". The "HTML" and "PDF" view options are visible at the top of the document content area.

# Comparing Changes Between Active and Prior Versions of Standards

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Select two versions of a document to compare, choose “compare” and the results will appear on the page. You can always choose “edit” to change the compared version. You’ll quickly identify new additions to a document as indicated by the green highlighted text. Pink highlighted text with a strikethrough let you know what text has been removed in the newest version of a standard.

The screenshot displays the ASTM COMPASS interface for the standard ASTM A1023/A1023M-19865945. A 'Compare Versions' modal dialog is open, showing a list of versions to compare. The 'Active' version (ASTM A1023/A1023M-19865945-17) is selected with a green checkmark. A previous version (ASTM A1023/A1023M-19865945-06) is also selected with a blue checkmark. The 'Compare' button is highlighted in blue. The background shows the standard's details, including sections like '1. Scope' and '2. Referenced Documents'.



# Create a Note Within a Document and Alerts

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Stay informed of revisions to a standard by selecting the push pin icon that says “Track Document” in the upper left-hand corner of the screen.

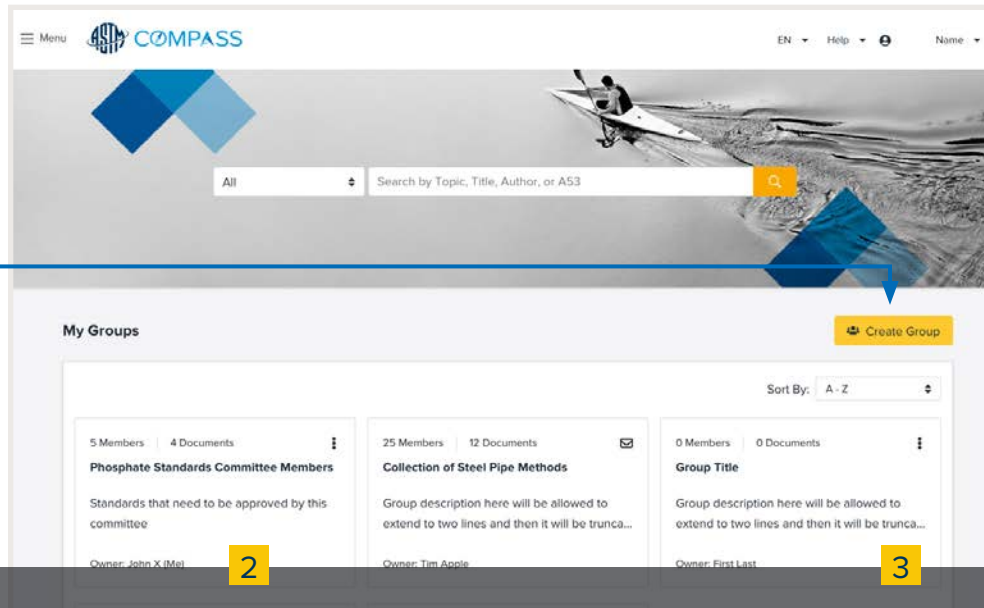
- › Create or modify alerts.
- › Track new and revised standards.
- › Track content or customize your list of standards.
- › Track content from Other Publishers.

The screenshot shows the ASTM COMPASS interface. At the top, there's a search bar and navigation options like 'Track Document', 'Add to Favorites', 'Download', and 'Compare Versions'. The main content area displays the document title 'ASTM A1023/A1023M-1986/5945' and 'Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel Steel Ropes'. Below the title, there are tabs for 'HTML', 'PDF', 'Work Items', 'Visual Content', and 'Related Content'. The document text is visible, with a section on '1. Scope' highlighted. A blue arrow points from the 'Track Document' button in the top navigation to a 'Track Your Selection' dialog box. Another blue arrow points from the 'Add Note' button in the dialog box to a highlighted section of text in the document.

You must be logged into your individual account in order to make and save a note.

Make important annotations in your PDF documents using the notes tool. You will be able to make a note in any section of the document. This tool does not function in an HTML view of a document.

To share documents and notes with more than one person at your organization, you may want to create a group. Follow these steps to select which people to add as members to your group.



1

2

3

Create Group

(1 of 3) Add name and description

Group Name

Group Description

Close Next

Create Group

(2 of 3) Add group members

Compass Members

- Tim Apple
- Jessica Jones
- John Doe
- Linda X
- Sam Lowry
- Harry Tuttle

Select All

Group Members

No items to display

Back Close Next

Create Group

(3 of 3) Add group documents

Compass Documents

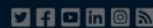
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...

Select All

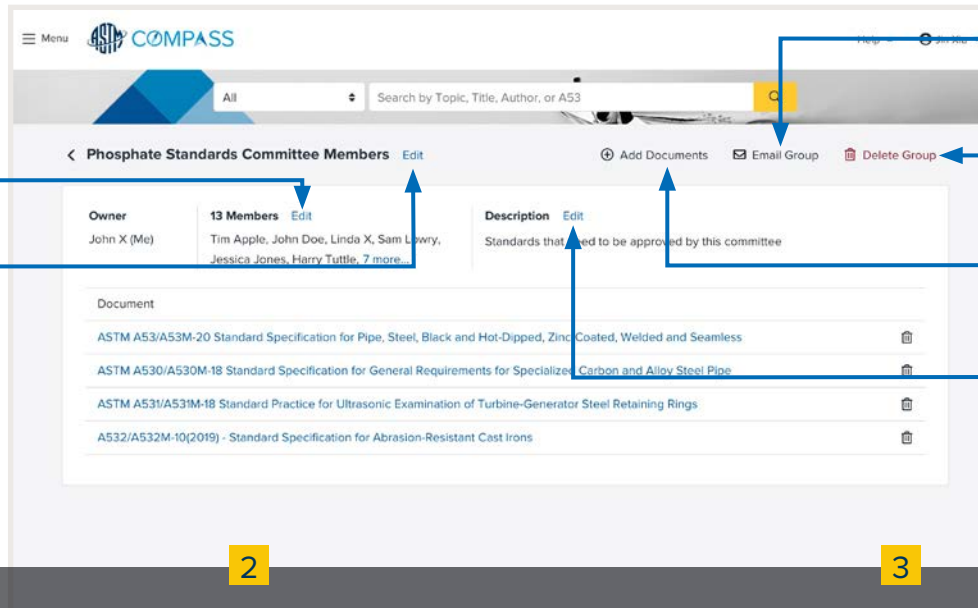
Group Documents

No items to display

Back Close Create



# Editing Groups



Edit group members here.

Email group members here.

Delete the entire group here.

Add documents to the group here.

Edit the group's description here.

1

2

3

**Edit Group** [X]

(1 of 3) Update name and description

Group Name

Phosphate Standards Committee Members

Group Description

Standards that need to be approved by this committee in the case that the committee has reviewed each standard and followed the accurate procedures

You've reached the 255 character limit

Close Next

**Edit Group** [X]

(2 of 3) Update group members

Compass Members

Search first or last name

- Carol Danvers
- Jessica Drew
- Kamala Khan
- Alex X
- Sam Lowry
- Harry Tuttle

Select All

Group Members

Search first or last name

- Tim Apple
- John X
- Jessica Jones
- John Doe
- Linda X

Select All

Back Close Next

**Edit Group** [X]

(3 of 3) Update group documents

Compass Documents

Search documents

- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...

Select All

Group Documents

Search documents

- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...
- A500/A500M-20 Stand...

Select All

Back Close Update

Many standards have instructional videos demonstrating proper execution of test methods.

If a test method contains a video, there will be a tab underneath the title that reads "Video Content."

The screenshot displays the ASTM COMPASS interface for the standard ASTM C40/C40M-20. At the top, there is a navigation bar with the COMPASS logo, a search bar, and user options like 'Help' and 'Test User Subscription'. Below the navigation, there are utility icons for 'Untrack Document', 'Add to Favorites', 'Download', and 'Compare Versions'. The main content area shows the standard title 'Standard Test Method for Organic Impurities in Fine Aggregates for Concrete' with tabs for 'PDF', 'HTML', and 'Video Content'. The 'Video Content' tab is active, displaying a grid of video thumbnails for different sections: 5.2, 6.2, 9.2, Section 5 (10.1), and Section 10. The bottom of the page features the ASTM International logo, social media icons, and a footer with copyright information and navigation links.

Additional guidance can be found in **Video Tutorials** and **More Resources** in the **Help** tab.



# COMPASS

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Have additional questions, concerns or suggestions?  
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