

Supplementary File 2 – UTM Horizon Software Compressive Strength Measurement Screenshots

2.4.3



2.4.4

The screenshot shows the 'Library of Working Methods' table in the UTM Horizon software. The table lists various testing methods, their last modified dates, equipment, notes, packages, method types, standard organizations, specifications, and method IDs. The table is filtered to show 33 methods.

In Use	Method Name	Last Modified Date	Equipment	Notes	Packages	Method Type	Standard Organization	Specification	Method ID
	ASTM C 293-08 Flexural Strength of Concrete (Beam Center...	11/28/2024 3:22:12 PM	UTM/MTM	Compress to target then hold...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression	ASTM	C293-08	108
	BS EN ISO 527-3: 1995 Plastics - Tensile properties of films...	12/18/2024 10:18:16 AM	UTM/MTM	Check seating, then Compress at...	Plastics, Materials Testing / Benchtop	Tensile	BS EN ISO	527-3:1995	143
	CCC - EN 12089: 2013 - Thermal Insulation - Bending behaviour	11/29/2024 3:34:54 PM	UTM/MTM	Three point Flexure from Position. Auto corrects for zero position...	Metals, Plastics, Civil Engineering, Materials...	Compression	EN	12089: 2013	119
	CCC - Generic Compression - Force vs. Position	4/8/2025 1:42:42 PM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			215
	Demo Generic Compression - Force vs. Position	11/21/2024 10:25:48 AM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			80
	DEV ISO 527 - 2 Tensile with Vector Extensometer	10/15/2024 11:34:03 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	12
	EN 12089: 2013 - Thermal Insulation - Bending behaviour	2/25/2025 2:37:35 PM	UTM/MTM	Three point Flexure from Position. Auto corrects for zero position...	Metals, Plastics, Civil Engineering, Materials...	Compression	EN	12089: 2013	178
	EN 310 - Mycelium board bending strength	3/20/2025 3:17:43 PM	UTM/MTM	Three point Flexure from Position. Auto corrects for zero position...	Metals, Plastics, Civil Engineering, Materials...	Compression	EN	12089: 2013	198
	EN ISO 3386-1: 1997 Polymeric or cellular flexible...	10/16/2012 11:37:59 AM	UTM/MTM	Cyclic compression by 70%... Contains additional values...	Plastics, Textiles (SDL Atlas Only), Materials...	Compression	EN ISO	3386-1: 1997	169
	EN ISO 527-2 Plastics - Tensile properties of moulding and...	1/10/2025 2:32:54 PM	UTM/MTM with 500L LASER	Based on EN ISO 527-1: 2012... Pull to Break (80% drop)	Plastics, Materials Testing / Benchtop	Tensile	EN ISO	527-2	168
	EN ISO 527-3 Plastics - Tensile properties of films and sheets...	7/29/2016 10:30:33 AM	UTM/MTM with 500L LASER	Based on EN ISO 527-1: 2012... Pull to Break (80% drop)	Plastics, Materials Testing / Benchtop	Tensile	EN ISO	527-3	87
	FO ISO 527-2 Plastics - Tensile properties of moulding and...	4/4/2025 11:27:50 AM	UTM/MTM with 500L LASER	Based on EN ISO 527-1: 2012... Pull to Break (80% drop)	Plastics, Materials Testing / Benchtop	Tensile	EN ISO	527-2	205
	Fran - ISO 3376:2020 Tensile (Crosshead)	12/19/2024 11:51:50 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	158
	Fran - ISO 527: 1996 Tensile (Crosshead)	12/18/2024 10:28:07 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	144
	FRAN ISO 527 - 2 Tensile with Vector Extensometer	11/22/2024 3:13:49 PM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	89
	FRAN ISO 527: 1996 Tensile (Crosshead)	12/18/2024 11:17:21 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	154
	Generic Compression - Force vs. Position	2/27/2025 2:44:21 PM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			181
	Generic Compression with Deflectometer - Force vs...	7/31/2023 12:57:01 PM	UTM/MTM & Deflectometer using Vector Video Extensometer	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			137
	Generic Flexure 3PT	10/9/2024 4:08:26 PM	UTM/MTM	Designed for Flexure 3 PT testing	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			8
	Generic Tensile - Force vs. Time	1/20/2012 3:34:24 PM	UTM/MTM	Designed for Simple Tensile...	Metals, Plastics, Textiles (SDL Atlas Only)...	Tensile			83
	IR ISO 527 - 2 Tensile with Vector Extensometer Ise	4/11/2025 10:30:02 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	221
	ISO 527 - 2 Tensile with Vector Extensometer	8/3/2023 9:30:58 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	4
	ISO 527: 1996 Tensile (Crosshead)	11/28/2024 1:57:20 PM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	102
	MyFoLA Paula Compression Strength	4/22/2025 11:08:46 AM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			225
	MyFoLAnew Compression Strength	5/28/2025 12:50:48 PM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			204

2.4.5

TOVMC v.5.0

Horizon

Test & RecallMethod EditorOutput EditorResult EditorLibrary ToolsConfigurationCustomer Service

Library of Working MethodsLibrary of Standard Methods

Methods Found: 15Method Type: AllKeyword: isoAdvanced QueryClear Filter

ExportImportEditDeleteShow Whole ViewShow Overview

In Use	Method Name	Last Modified Date	Equipment	Notes	Package	Method Type	Standard Organization	Specification	Method ID	Ver
	BS EN ISO 527-3: 1995 Plastics - Tensile properties of films...	12/18/2024 10:18:16 AM	UTM/MTM	from position	Plastics, Materials Testing / Benchtop	Tensile	BS EN ISO	527-3:1995	143	1.0
	DEV ISO 527 - 2 Tensile with Vector Extensometer	10/15/2024 11:34:03 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	12	1.0
	EN ISO 3386-1: 1997 Polymeric or cellular flexible...	10/16/2012 11:37:59 AM	UTM/MTM	Cyclic compression by 70%... Contains additional values...	Plastics, Textiles (SDL Atlas Only), Materials...	Compression	EN ISO	3386-1: 1997	169	1.0
	EN ISO 527-2 Plastics - Tensile properties of moulding and...	1/10/2025 2:32:54 PM	UTM/MTM with 500L LASER	Based on EN ISO 527-1: 2012... Pull to Break (60% drop)	Plastics, Materials Testing / Benchtop	Tensile	EN ISO	527-2	168	1.0
	EN ISO 527-3 Plastics - Tensile properties of films and sheets...	7/29/2016 10:30:33 AM	UTM/MTM with 500L LASER	Based on EN ISO 527-1: 2012... Pull to Break (60% drop)	Plastics, Materials Testing / Benchtop	Tensile	EN ISO	527-3	87	1.0
	FO ISO 527-2 Plastics - Tensile properties of moulding and...	4/4/2025 11:27:50 AM	UTM/MTM with 500L LASER	Based on EN ISO 527-1: 2012... Pull to Break (60% drop)	Plastics, Materials Testing / Benchtop	Tensile	EN ISO	527-2	205	1.0
	Fran - ISO 3376:2020 Tensile (Crosshead)	12/19/2024 11:51:50 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	158	1.0
	Fran - ISO 527: 1996 Tensile (Crosshead)	12/18/2024 10:28:07 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	144	1.0
	FRAN ISO 527 - 2 Tensile with Vector Extensometer	11/22/2024 3:13:49 PM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	89	1.0
	FRAN ISO 527: 1996 Tensile (Crosshead)	12/18/2024 11:17:21 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	154	1.0
	IR ISO 527 - 2 Tensile with Vector Extensometer IIR	4/11/2025 10:30:02 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	221	1.0
	ISO 527 - 2 Tensile with Vector Extensometer	8/3/2023 9:30:58 AM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	4	1.0
	ISO 527: 1996 Tensile (Crosshead)	11/28/2024 1:57:20 PM	UTM/MTM		Metals, Plastics, Materials Testing / Benchtop	Tensile	ISO	527	102	1.0
	NEN-EN-ISO 29469:2022 - Thermal insulating products for...	4/23/2025 12:36:48 PM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			225	1.0
	Niobi Compression 10% Testing ISO 29469	4/8/2025 2:04:20 PM	UTM/MTM	Designed for Compression...	Metals, Plastics, Textiles (SDL Atlas Only)...	Compression			216	1.0

Note:

TOVMC v.5.0

Horizon

Test & RecallMethod EditorOutput EditorResult EditorLibrary ToolsConfigurationCustomer Service

Method OverviewSource SelectionParametersEntriesData ImportingControl SegmentsControl OptionsOutput Selection

Selected Method: NEN-EN-ISO 29469:2022 - Thermal insulating products for building applications - Determination of compression behaviour

LoadSaveSave AsRenameDelete MethodExport

OverviewHistory

Sections to ViewSource SelectionParametersEntriesData ImportingControl SegmentsControl Options

Test Method Information																				
ID	228																			
Name	NEN-EN-ISO 29469:2022 - Thermal insulating products for building applications - Determination of compression behaviour																			
Original Name	Generic Compression - Force vs. Position																			
Notes	Designed for Compression testing displaying a Force vs. Position graph.																			
Version	1																			
Revision	1																			
Modified Date	23 April 2025 12:36																			
Modified By	<Default>																			
Deleted	No																			
Package	Metals, Plastics, Textiles (SDL Atlas Only), Civil Engineering, Materials Testing / Benchtop, Timber																			
Test Type																				
Equipment	UTM/MTM																			
Standards Organization																				
Specification																				
Withdrawn	No																			
Link	<None>																			
Output	NEN-EN-ISO 29469:2022 - Thermal insulating products for building applications - Determination of compression behaviour																			
Source Selection																				
Source	Zero	Zero %	Remove	Rem	Source	Rem	Value	Rem	Units	Rem	Type	Rem	Prompt	Adj	Type	Adj	Value	Disp	Chan	
Force	No	0	No											Multiply	3			<None>		
															Limit Action	Warn				
															Positive Limit Value	NaN				
															Negative Limit Value	NaN				
															Units	N				
															Source Type	Default Force				
															In Change At	Disabled				
Position	No	0	No											Multiply	3			<None>		
															Limit Action	Warn				
															Positive Limit Value	NaN				
															Negative Limit Value	NaN				
															Units	mm				

Method Notes

Timus Olsen Horizon









