TAPPI Standards compared to Related Standards of ISO and ASTM (revised May 2015)

NOTE: "Related" does not imply "equivalence." A "Related Standard" may be a standard for a similar property, but this should not assume identical technical content or matching results.

NOTE: ASTM standards for pulp and paper were generally withdrawn in favor of TAPPI Standards. This list will continue to list the former ASTM Standards as an historical cross reference.

TAPPI	Number and Title	ISO	ASTM
Fibrous	s Materials and Pulp Testing		
T 200	Laboratory Beating of Pulp (Valley Beater Method)	5264	
T 204	Solvent Extractives of Wood and Pulp	624	D 1107, D 1108
T 205	Forming Handsheets for Physical Tests of Pulp	5263, 5269/1	•
T 207	Water Solubility of Wood and Pulp	,	D 1110
T 210	Sampling and Testing Wood Pulp Shipments for Moisture	7213, 801/1, 801/2	
T 211	Ash in Wood, Pulp, Paper, and Paperboard:	, ,	
	Combustion at 525°C	1762	D 1102
T 212	One Percent Sodium Hydroxide Solubility of Wood and Pulp	699	D 1109
T 213	Dirt in Pulp	5350/1, 5350/2	
T 218	Forming Handsheets for Reflectance Testing of Pulp	,	
	(Büchner Funnel Procedure)	5269-1	
T 220	Physical Testing of Pulp Handsheets	5270	
T 221	Drainage Time of Pulp	5267-1, 5267-2	
T 222	Acid Insoluble Lignin in Wood and Pulp		D 1106
T 227	Freeness of Pulp (Canadian Standard Method)	5267/2	2 1100
T 230	Viscosity of Pulp (Capillary Viscometer Method)	5351/1	
T 231	Zero-Span Breaking Strength of Pulp (Dry Zero-Span Tensile)	15361	D 5804
T 232	Fiber Length of Pulp by Projection	16065-1, 16065-2	
T 233	Fiber Length of Pulp by Classification	16065-1, 16065-2	
T 235	Alkali Solubility of Pulp at 25°C	692	,
T 236	Kappa Number of Pulp	302	
T 237	Carboxyl Content of Pulp	302	D 1926
T 240	Consistency (Concentration) of Pulp Suspensions	4119	D 1720
T 244	Acid-Insoluble Ash in Wood, Pulp, Paper, and Paperboard	776	D 586
T 245	Silicates and Silica in Pulp (Wet Ash Method)	770	D 2438
T 248	Laboratory Beating of Pulp (PFI Mill Method)	5264/2	D 2 130
T 249	Carbohydrate Composition of Extractive-Free Wood and	320 1/2	
121)	Wood Pulp by Gas-Liquid Chromatography		D 1915
T 252	pH and Electrical Conductivity of Hot Water Extracts of Pulp, F	Paner	D 1713
1 232	and Paperboard	6587, 6588	
T 254	Cupriethylenediamine Disperse Viscosity of Pulp	0307, 0300	
1 237	(Falling Ball Method)	5351/1	
T 255	Water Soluble Sulfates in Pulp and Paper	9198	
T 256	Water Soluble Chlorides in Pulp and Paper	9197/1, 9197/2	
T 261	Fines Fraction by Weight of Paper Stock by Wet Screening	10376	
T 262	Preparation of Mechanical Pulps for Testing	5263-2, 5263-3	ISO 5263-3??
T 263	Identification of Wood Fibers from Conifers	3203-2, 3203-3	150 5205-5!!
T 264	Preparation of Wood for Chemical Analysis		D 1105
T 266	Determination of Sodium, Calcium, Copper, Iron, and Mangane	se in	D 1103
1 200	Pulp and Paper by Atomic Absorption Spectroscopy	777, 778, 779	
T 271	Fiber Length of Pulp and Paper by Automated Optical Analyzer		
1 4/1	Using Polarized Light	16065-1	
T 272	Forming Handsheets for Reflectance Testing of Pulp	10003-1	
1 4/4	(Sheet Machine Procedure)	2600	
Т 274	Laboratory Screening of Pulp (MasterScreen-Type Instrument)	3688	
T 274 T 277			D 6149
T 278	Macro Stickies Content in Pulp: the "Pickup" Method Pulp Screening (Valley-Type Screening Device)		D 6148
			D 1107 D 1100
T 280	Acetone Extractives of Wood and Pulp		D 1107, D 1108

Fiberboard, or Related Product	_	nd Paperboard Testing		
T401	T 400	Sampling and Accepting a Single Lot of Paper, Paperboard,	106	D 505
Table	T 401			
Board, Pulp Handsheets, and Related Products			9184 (5 parts)	D 1030
T404	1 402		197	D 695
Table Tensile Breaking Strength and Elongation of Paper and Paperboard (Using Pendulum Type Tester) 1924/1 1924/	T 403			
Paperhoard (Using Pendulum Type Tester)			2736	D //4
T405 Petroleum Wax in Impregnated Papers D 590 7406 Reducible Sulfur in Paper and Paperboard D 528 7409 Machine Direction of Paper and Paperboard (Weight Per Unit Area) 536 D 548 7410 Grammage of Paper and Paperboard (Weight Per Unit Area) 536 D 645 7411 Thickness (Calipper) of Paper, Paperboard, and Combined Board 534, 3034 D 645 7412 Moisture in Paper and Paperboard 287 D 644 7413 Ash in Wood, Pulp, Paper and Paperboard. Combustion at 900°C 2144 D 689 7419 Starch in Paper D 689 D 643 7423 Folding Endurance of Paper (Elmendorf Type Method) 1974 D 689 7423 Folding Endurance of Paper (Schopper Type Tester) 5626 D 643 7425 Opacity of Paper (15/d geometry, Illuminant A/2°, 89% Reflectance Backing and Paper Backing) D 548 7428 Hot Water Extractable Acidity or Alkalinity of Paper D 588 7430 Coper Number of Pulp, Paper, and Paperboard D 913 7431 Ink Absorbency of Bibulous Papers D 2177 <	1 404		1924/1	
T406 Reducible Sulfur in Paper and Paperboard D 528 T409 Machine Direction of Paper and Paperboard D 528 T410 Grammage of Paper and Paperboard (Weight Per Unit Area) 536 D 646 T411 Thickness (Caliper) of Paper, Paperboard and Combined Board 287 D 644 T412 Moisture in Paper and Paperboard 287 D 644 T413 Ash in Wood, Pulp, Paper and Paperboard. Combustion at 900°C 2144 D 586 T419 Starch in Paper D 689 149 D 689 T423 Folding Endurance of Paper (Schopper Type Tester) 5626 D 643 T425 Popacity of Paper (15/d geometry, Illuminant A/2°, 89% Reflectance Backing and Paper Backing) 2471 D 589 T428 Holk Water Extractable Acidity or Alkalinity of Paper D 548 1 548 T429 Alpha-Cellulose in Paper D 548 1 548 T430 Copper Number of Pulp, Paper, and Paperboard D 919 T431 In Kabsorbency of Bibting Paper 72 D 2177 T432 Water Absorbency of Bibting Paper and Paperboard D 277	T 405		1/2 1/1	D 590
T 409 Machine Direction of Paper and Paperboard D 528 T 410 Grammage of Paper and Paperboard (Weight Per Unit Area) 536 D 646 T 411 Thickness (Caliper) of Paper, Paperboard, and Combined Board 534, 3034 D 645 T 412 Moisture in Paper and Paperboard 287 D 648 T 413 As hi Wood, Pulp, Paper and Paperboard. Combustion at 900°C 2144 D 586 T 413 As hi Wood, Pulp, Paper and Paperboard. D 591 D 591 D 591 T 419 Starch in Paper D 591 D 591 D 591 D 591 T 423 Pfolding Endurance of Paper (Schopper Type Tester) 5626 D 643 T 425 Opacity of Paper (15/d geometry, Illuminant A/2°, 89% Reflectance Backing and Paper Backing) D 548 T 428 Hold Water Extractable Acidity or Alkalinity of Paper 2471 D 589 T 430 Copper Number of Pulp, Paper, and Paperboard 2471 D 589 T 431 Ink Absorbency of Bibuting Paper 2471 D 589 T 432 Water Absorbency of Bibuting Paper 779 D 247 T 433				
T410 Grammage of Paper and Paperboard (Weight Per Unit Area) 536 D 645 T411 Thickness (Caliper) of Paper, Paperboard, and Combined Board 534, 3034 D 645 T412 Moisture in Paper and Paperboard 287 D 644 T413 Ash in Wood, Pulp, Paper and Paperboard. Combustion at 900°C 2144 D 586 T419 Starch in Paper D 591 D 591 T419 Starch in Paper D 591 D 591 T423 Folding Endurance of Paper (Schopper Type Tester) 5626 D 643 T425 Opacity of Paper (15/d geometry, Illuminant A/2°, 89% Reflectance Backing and Paper Backing) 2471 D 589 T428 Hot Water Extractable Acidity or Alkalinity of Paper D 548 D 548 T429 Alpha-Cellulose in Paper D 588 D 588 T431 Ink Absorbency of Bibting Paper D 2177 T431 Ink Absorbency of Bibting Paper T 79 T431 Acid-Soluble Iron in Paper 779 T433 Water Resistance of Sized Paper and Paperboard D 2019 T437 Dirt in Paper and Paperboard				
T411 Thickness (Caliper) of Paper, Paperboard, and Combined Board 534, 3034 D 644 T413 Ash in Wood, Pulp, Paper and Paperboard: Combustion at 900°C 2144 D 586 T414 Internal Tearing Resistance of Paper (Elmendorf Type Method) 1974 D 689 T419 Starch in Paper D 591 D 591 T423 Folding Endurance of Paper (Schopper Type Tester) 5626 D 643 T425 Opacity of Paper (15/d geometry, Illuminant A/2°, 89% Reflectance Backing and Paper Backing) 2471 D 589 T428 Hot Water Extractable Acidity or Alkalinity of Paper D 548 T429 Alpha-Cellulose in Paper D 588 T420 Copper Number of Pulp, Paper, and Paperboard D 919 T431 Ink Absorbency of Bibulus Papers D 2177 T432 Water Resistance of Sized Paper and Paperboard D 2177 T433 Water Resistance of Sized Paper and Paperboard T79 T434 Acid-Soluble Iron in Paper 779 T435 Hydrogen Ion Concentration (pH) of Paper Extracts 6588 D 778 T434 Acid-Soluble Iron in Paper			536	
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T 811	Edgewise Compressive Strength of Corrugated Fiberboard			
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T 818	Ring Crush of Paperboard	12192	D 1164 (wd?)	
T 822	Ring Crush of Paperboard (Rigid Support Method)	12192		
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T 826	Short Span Compressive Strength of Paperboard	9895		
T 838	Edge Crush Test Using Neckdown	3037		
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Structural Materials Testing				
None of the Structural Materials Standards has any ISO or ASTM equivalents				
Testing	Practices			
T 1200	Interlaboratory Evaluation of Test Methods to Determine			
	TAPPI Repeatability and Reproducibility		D 1749	
T 1205	Dealing with Suspect (Outlying) Test Determinations		E 178	
T 1210	Units of Measurement and Conversion Factors		D 4826	